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<210> 1934

<211> 789

<212> DNA

<213> Homo sapiens

<400> 1934

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<210> 1935

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1935

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 aatgggcaag cgtctgtcct aggagccgtg tgctgggcca cagttaaatac tgagagatca 360
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<210> 1936

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1936

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<210> 1937

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1937

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ctcagcatct acccagtatg aggagtgtat cagagctggg aaggtgattc cagagcaggg 180
gaaaatgcaa gctccactaa tacaaatgag gtgaggcaac cagtgcacag cgaggggttc 240
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cacaagaccc aacaacctca caaatccaac agacgaccaa caatagctgg ggacatgctc 300
 aagaccacaca gagcaagtgc atgaagccag ggcaaggggc agcagtgagg acaaattctct 360
 ccatgagtac tgtgggtctt agcctcaact cactaaaagg cctctagaga caataattaa 420
 aataaccagt ggctcctcga ggaatggagg ctaaggagca aactgccaaa cttattctgg 480
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 ggcttgtgtt tagcttggca tgatggtatt cccattgntt agtatttcaa tttcaacatc 660
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<210> 1938

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1938

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<210> 1939

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1939

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 agaatatggg actaatgcaa aggagtctgt aacagactat actacaccct cttcttcttt 180
 gcctaacacc gtggctacta ataatacaaa gatggaggat actttgggta ataatgtgcc 240
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 ttcagttcct cccactactt tcagcctcac cttcaagatg gagtctgcac gcaaagcatg 360
 ggagaattct ccaaattgaa gggaaaaggg gtctccagta acttccacag cacctccaat 420
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 tttttcacag ttaagctgta tgccttcctt attgcccagc agcaacagaa tncgcagg 720
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<210> 1940

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1940

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gaacgagaag gccccggtgg acttcggcta cgtggggatt gactccatcc tggagcagat  180
gcgccggaag gccatgaagc agggcttcga gttcaacatc atggtggtcg ggcagagcgg  240
cttgggtaaa tccaccttaa tcaacaccct cttcaaatcc aaaatcagcc ggaagtcggt  300
gcagcccacc tcagaggagc gcatcccaa gaccatcgag atcaagtcca tcacgcacga  360
tattgaggag aaaggcgtcc ggatgaagct gacagtgatt gacacaccag ggttcgggga  420
ccacatcaac aacgagaact gctggcagcc catcatgaag ttcatcaatg accagtacga  480
gaaataacctg caggaggagg tcaacatcaa ccgcaagaag cgcattccgg acaccgcgt  540
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agggaggcgt cttcatctcc tggcatcccc tctnagcca cccccggccc caccgggctt  720
gaagtgtctg tgatgccctg ggatctgatt gaggatnaaa anggaaggag agatgacccc  780
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<210> 1941

<211> 658

<212> DNA

<213> Homo sapiens

<400> 1941

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agccggtggc aggcggtggg cagcccaatg gagatgctcc acccgagcag ccgtccgana  180
cggtggctga gtctgcggag gaggagctgc agcaagcggg agaccaggag ctctccacc  240
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ctgaatcagt tgctgaaaca gcacaaacaa taaagaaatc cgtanaagaa ggaaaaatag 360
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 ccctccggct ggctgcaat ttaatttcna ctttgatcag atgtccccgt ggccctggtc 600
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<210> 1942

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1942

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 gaatgactgg aaactgattg gaaactcttt gggaaagcca ctgaaaagg gtatatattac 180
 ttctggcaca tgggaagaga aatcagatga aatttccttt gctgacttca gttctcagtc 240
 actcatcatt atcttgatga ggtccactg ataagaagga aggatgatta tagaggatgt 300
 gtcccacaac ctatgccaaag aattggctgg ggtttgaatt aanaacttcc ncccaaaacc 360
 acntggccng ttaaaatggt ttgggctnct taattcct 398

<210> 1943

<211> 641

<212> DNA

<213> Homo sapiens

<400> 1943

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aaagctactc gctaccagct tggacctgtc tgcagtatct cctctgggac ctgccatgct 180
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aggccgggac tgacaccact ggccangaag tggctgaagc tcanctggat gangatgggg 600
atttggacgt ggtganaaaa cacnaaccgc ctctgattcc a 641

<210> 1944

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1944

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<210> 1945

<211> 821

<212> DNA

<213> Homo sapiens

<400> 1945

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cgggaaagtt gccctctggt gtctcagcta agttgaagcg ctggaagaaa ggccacagca 180
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<210> 1946

<211> 570

<212> DNA

<213> Homo sapiens

<400> 1946

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<210> 1947

<211> 535

<212> DNA

<213> Homo sapiens

<400> 1947

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 gacgtgcagc tgcgaagtgc ttggatgccg tagttagcac aaggcatgaa atgcttccag 180
 aattctacaa gaccgtctct cctgcactaa tatccagatt taaagagcgt gaagagaatg 240
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<210> 1948

<211> 562

<212> DNA

<213> Homo sapiens

<400> 1948

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ccctcacagc ccctccaaga cagatgggaa agaattagct gggacatgg atggagaagg   180
gacgtcttc cagactgaaa gccctcagtc tggcagcatt ctaacagagg anactgaggt   240
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<210> 1949

<211> 584

<212> DNA

<213> Homo sapiens

<400> 1949

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cattcagcaa cgagcgacct ccacagccaa gacttggttg gacagatatg aagagtttgt   180
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gtgcagaaga ctctgagcga gagaagttct ccctcttctc tgcagctgtg cgggaaagtc 480
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<210> 1950

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1950

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<210> 1951

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1951

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<210> 1952

<211> 573

<212> DNA

<213> Homo sapiens

<400> 1952

actttccct ctccgtctcc tgcgggcgca atggaggagg aggatgagga agcgcgggcg 60
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 ccggccctct gcgaccccag tcgcctggcg caccggcttt tgggtgctgtt actgatgtgc 180
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 aaacgagata tgcaagtga taccacgaaa ttcattgctgc tgtntgcctg gtattcttgg 300
 cccaatgtan ttttgtgtt ctntggtggc tttttgatan accgagtatt tggaatacga 360
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 ggaatattta atgctttttg gctgatggaa tttggaanat ttgtatttgg gattggtggc 480
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<210> 1953

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1953

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tttacgatat ccaaataaac tggacaccat cacatggacg tggcaaggac ctggagcgct 60
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tgtgtacagc ctttctgagg aggagaagag gaacccccgcg ctgtatgcca gcaacgtgcg 180
gcgagtcatg gccgaggcct tgggtgtctc cgtgactgac tacacgttcg aggactgcca 240
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ccggaccctg gacaccatcc anctggcttt caagacgtac ggagcgcaan aagacggcag 600
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gtgaccgacc tattccgaac cnttgaccnn 690

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<210> 1954

<211> 772

<212> DNA

<213> Homo sapiens

<400> 1954

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aaaagacaat caagacggcc ggccgaggcc cctggaacgg cttaggcggc tgcggctgct 60
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gaggacatcc tgcggcccag gggcaagtga cacctgctga gagaggccca ggatggtgga 180
ggctgaggaa ctggcacagc tgcggctgct caatctggag ctctgaggc agctgtgggt 240
ggggcaggat gctgtgcggc ggtcagtggc cagggcagcc tcggagtcaa gcctggaatc 300
cagcagcagc tacaactcag agactccatc gacccagag acgtcctcaa cttccttgag 360
cacctcctgc ccacggggcc ggtcctccgt gtggggccca ccagatgcct gtcgagggga 420

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cctccgtgat gtggccagat cgggggtggc ctctctccca cctgcccaatt gccagcacca 480
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 ggacccagag ccctcagga agctgggtga tccaggaccc aggaggcaca gaccccgagg 600
 tcatectggc tcaacagagc aactgtccaa gcccagggtg acttctctga agaattctga 660
 ttccctgaaa agaacttgcg cctccaggnc ataccttggg tatgaatgga ttgcnttttt 720
 cttgaaacca nctctttcca tcaccanccc accctaaggn cttcttctcc aa 772

<210> 1955

<211> 623

<212> DNA

<213> Homo sapiens

<400> 1955

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 ctgctaccac gaaaaggacc cggacggttg ctatcggctg gtggactatt tggaagggat 180
 ccggaanaat tttgatgagg ctgccaaggt gttgaagttt aactgtgaan anaaccagca 240
 cagtgatagc tgctacaaac tgggggcccc ctatgtgact ggaaaagggtg gtctgaccca 300
 ggacctgaaa gctgccgcca ggtgcttttt gatggcgtgt ganaancctg gaaagaantc 360
 aatagcagca tgtcacaacg ttggcctcct ggcacatgat ggacagggtta atgaggatgg 420
 ccagcctgac ttgggaaagg ccaggggact actacacaag ggcctgtgat ggtggctata 480
 cttccagttg cttcaacctc agtgccatgt tctgcaggg tgccccangc tttcccaang 540
 acatggacct ggcatgtnaa tactccatga aagcctgtga cctgggtcat atctgggcct 600
 gtgccaatgc cantcccatg tnc 623

<210> 1956

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1956

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 catgantgtt aggccccgacg cctggccctt ggagccttgg gangtggctg gggctgcttt 180
 tgccctttgcc aganacagct ccaactgang acctctccaa cgggcccata cacagtcctt 240
 ccttccccta gtgtctggga anacaggcgc gatgatggac tcccgttcc tggagctgtg 300
 gcagtccaag gcagtgtcca tcaggaggca gctgggactc ggggaccggc ccaacgactc 360
 ctattgctac aactcggcca aaaacagcac cgtgctccag ggggtcacct ttggtggcat 420
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 actggggatg ctgtccctgg gctgacttgc catcttccgt ctgcatgatg aacaaatcct 660
 ggaatggtgt tgggaagacc catccactac ctgtccttcc anaaggcaca tcacttccc 720
 tgtttggtgg gtggtcactt tttgtccct gtgttttcac ctgnctgtta anctctccag 780
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<210> 1957

<211> 457

<212> DNA

<213> Homo sapiens

<400> 1957

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 tggcgaggcg gcgcggancc tgcccctggg cgccagggtgt ttcggggtgc gggctctgcc 120
 gaccggggan aangtcacgc aacttgcca ggtttatgat gataaagact acaggagaat 180
 tcggtttgta ggctgtcaga aagaggtgaa tgaaaacttt gccattgatt tgatagcaga 240
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ctgtgggctc cagttcanac ancaccacca ctanagcgtg tggcacgccg ggggtcccgc 420
ancatcctgt gagcatttcc gcggggaagc tgancac 457

<210> 1958

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1958

gtcggagggc ggcgggcgcc gacctcagcg cgcacctatg ggctcgctac caggacatgc 60
ggagactggt gcacgacctc ctgccccccg aggtctgcag tctcctgaac ccagcagcca 120
tctacgccga caacgagatc agcctgcgtg acgttgaggt ctacggcttt gactacgact 180
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tctgatcgga gcactacaag taccagaag ggattcggaa gtatgactac aaccccagct 300
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tgattgagct gtatgggggt acccagcaca tccactata ccagatgagt ggcttctatg 480
gcaagggtcc ctccattaag cagttcatgg acatcttctc gctaccggag atggctctgc 540
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acaaggacgt tacggaccn tccgaaactt catgttaaag ggcctcatgt tccanttgga 660
ttcaaccagg acatggaaaa aattcntcct gaaaagggga tnaaaacttt gcttttctn 720
aanccccctg gtgg 734

<210> 1959

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1959

tttacgatat ccaaataaac tggacaccat cacatggacg tggcaaggac ctggagcgct 60
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 tgtgtacagc ctttctgagg aggagaagag gaaccccgcg ctgtatgcca gcaacgtgcg 180
 gcgagtcatg gccgaggcct tgggtgtctc cgtgactgac tacacgttcg aggactgcca 240
 gctggccctg gcggaaggac agctccgtct ccccgctgac acttgccttt tagaatttgc 300
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 cagcggcgag gtggacctgc gagagtgtgt ggttgccctg tctgtcgtct gccggccggc 540
 ccggaccctg gacaccatcc agctggcttt caagacgtac ggaacgcaag aagacggcag 600
 cgtcngcgaa agtgacctgt cctgcaccc cnanacggcc tgggggtggc agaactcacc 660
 gtgaccnanc tattcc 676

<210> 1960

<211> 586

<212> DNA

<213> Homo sapiens

<400> 1960

cttgtgggtg gaaacgcgct ggctgactgg ggtcggcggt tagttcagcg cagcgactcg 60
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 ccatagaata ttaaggatga attcaggaag gcctgagacc atggaaaact tgcctgctct 180
 ctacactatt ttccaaggag aggttgctat ggtgacagac tatggggcct ttatcaaaat 240
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 gatgaaaaat gatagaataa aagtatccct ctccatgaan gttgtcaatc aagggactgg 420
 gaaagacctt gatcccaaca atgttatcat tgagcaagaa nanangcgga agcgatcctt 480
 ccaggattac actgggcana aaatcaccct tgaagctgtc ttgaacacta cctgcaanaa 540
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<210> 1961

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1961

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tgttaccact acggtgacca gccagttct gtgtaataac aacatctccg agggcgaagg   60
gtatgtggag tctccagatc tggggagccc cgtcagccgc accctggggc tcctggactg  120
cacttacagc atccatgtct accctggcta cggcattgan atccaggtgc agacgctgaa  180
cctgtcacag gaagaagggc tcctggtgct ggctggtggg ggatccccag gcctggcccc  240
ccgactcctg gccaaactcat ccatgcttgg agaaggacaa gtccttcgga gccaaccaa  300
ccggctgctt ctgcacttcc agagcccacg ggtcccaagg ggcggtggct tcaggatcca  360
ctatcaggcc tacctcctga gctgtggctt ccctccccgg ccggcccatg gggacgtgag  420
tgtgacggac ctgcaccctg ggggcactgc cacccttcac tgtgattcgg gctaccanct  480
gcagggagan ganaccctca tctgcctcaa tggcaccggg ccatcctgga acggtgaaac  540
ccccanctgc atggcatcct gtggtggcac catccacaat gccaccctgg gccgcatcgt  600
gtcccanaac ctgggggaac cgtangggcc aacctcacct gccgttgggt ccttgaaaca  660
actnaagggc ccngctgca cctgcacttt naaaaggctt ccctggatga agaacatnaa  720
c                                                                    721

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<210> 1962

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1962

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atattccatg gagaccctgg ctggaggatt gcaggagagt cccaggaggc aggactgcca   60
atggcaccag gcttcgcagc catgcacctg cagccctcag gcagcactgt ccattgtcat  120

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acgantgtgg caggtgtgag gcatcgcac tgctcacc cc gggggataat gcacagcagc 180
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 caggcttggt ccttcaacac tgggtgganan agacacgctg tcatcaggcc caagaaatac 300
 tgccttcccc atcctatccc cggctactgg gtgcccgcag agtgtcccag angagggagg 360
 gagggaccct ccactgggtc aaatggcctg ttctcagaga tgcagcaatg gaccctcgtg 420
 aatactgaac tgataatcat gggaaggaga ctggctctcc tggattccct catgattcct 480
 ctgantgaca atgtgatgtt ggccgactgt gtcttcttca gaatatcata tacacttgag 540
 gtctccagga ancctccaat tacattatct tcctgggtca tacagtgaac agtaattctt 600
 atcctggatt cctcgttact ganacttttc ttgccttttt tgttancctta tgattttattc 660
 taaggacttc ctccaacagg ttataacttaa ctgtctacct cantctctgg aanttttaaa 720
 aatgttcanc ttaattaaaa aaatnaattc tcctggnaaa cc 762

<210> 1963

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1963

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 cctgcagccc ccctctgcgc tgagcggcgg ccagccggca gacacacaaa ctcgggccac 180
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 taaaaccac tgagtaagca aaaatcagag gaagagctca aggacaagaa ccagctgtta 420
 gaagccgtca acaagcagtt gcaccagaag ttgactgaaa ctcagggaga gctgaaggac 480
 ctgaccaga aggtagagct gctggagaag tttcgggaca actgtttggc aattttggag 540
 agcaagggcc ttgatccagc ttaggcagt gagaccctgg catcacgaca agaattccact 600
 actgatcaca tggactctat gttgctgtta gaaactttgc aagaaggact gaagcttttt 660

aacgaaacag ccaaaaagca gatggaagan ttncaggnc taaaggttaa gctggagatg 720
 aaagaagaaa gaatccgatt cctagaacag caaaccttat gttacaatcc agttaantga 780
 tttaaccacn gcccttaaag aaaatgganc ngcttattan aaaatgtta 829

<210> 1964

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1964

gtgcggccgg cgcacccccg atggatcgcg gcggcggcgg ctccgggacg ggatcccggc 60
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 cggacctctc agcccaacta ccggcctcaa ggcatggagg gatTTTTgaa atcagatgag 180
 aggagagat tggccaaaga aagacgagaa gaaagagaaa aatgtctggc tgctcgggag 240
 caacagatcc tggagaaacn gaaaanagcc aggctgcagt acgaaaagcn aatggaggag 300
 cgatggcgaa aactggaaga gcagcggcag cgggaggacc aaaagagagc tncgtgtgaa 360
 gagaaaagga aacataaanc tccgggagga ngacganccg ctggaggcga tgatgcgccg 420
 gtccctngag cgcacacagc agctgggagc tgaaaaanaa gt 462

<210> 1965

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1965

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 tctttgccta catgaaccac agagtcccc ggacgaggaa ggagatcttc gaaaccctca 180
 tcaagggcct gcagcggctg gagtacagag gctacgactc ggcaggtgtg gcgatcgatg 240

ggaataatca cgaagtcaaa gaaagacaca ttcagctggt caagaaaagg gggaaagtca 300
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 gccaccctca gcgctcagac aaaggcaacg aatttgttgt catccacaat gggatcatca 480
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 aacagatnca gaagaccatc gccaaagctg attaaattat gtgttcgaca acagnanaaa 600
 ctgaaggaca ttacgttttt ccaccgttgg ttccaaaaaa anttcattcc ancaantttg 660
 ggaaagggtgc a 671

<210> 1966

<211> 738

<212> DNA

<213> Homo sapiens

<400> 1966

gtcactgcaa ggcgccgggg ggacacgttg gctgcgtttt cggcgggctt cccgggtaca 60
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 agcaattaca aaaatgatgt gatgatcaga aaagaggctt atgtgcaciaa gagtgtaatg 240
 gaagaactga agagaattat tgatgacagt gaaattacaa aagaagatga tgctttgttg 300
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 ggccttcgag tattttacta tttggtacaa gacttgaaat gttantttt cagtcttatt 480
 gggattacac ttcaagatta aaccaattta aattgtngt tttcaggctg tttgtatatt 540
 taattaangg atgggnangg gttatttgtc atttacngta ttgggggttt ttatgaaatg 600
 ttgaagccaa accaaaaaaa atttgttatg ttaaaactgga aaaataaaga aaaatacatt 660
 tanccaaagc tntaaatggt tatcccttta actttgantt ccccatgtg ggnttgggac 720
 aagtccccc acaacaac 738

<210> 1967

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1967

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aatgccaaaa tggc gatgcc taccacctan aactggattg tgcgctccat ttctttcacc 60
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gaagcaagcc attttgcaag cctggaagga gcgctggagt gactaccaat gggcaatcaa 180
catgaagaaa ttctttccta aaggagccac ctgggatatt ctcaacctgg cagatgcgtt 240
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gactgtgccg agcccttctt ancgccctcc actggctgct gcgctgcacg gcagcctctg 480
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<210> 1968

<211> 613

<212> DNA

<213> Homo sapiens

<400> 1968

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aagaaggcgg cgggggaaga ggcggtcctg gggtagagtt tgcaagcttt ctgactaggc 60
tagtcgagta actattcggg tcatggcgtc aaactcaact aagtctttcc tggcagatgc 120
cggctatggc gaacaggaac tggatgcaa ctctgccctt atggaattgg acaaaggcct 180
aagatctggc aaacttggtg aacagtgtga agcagttgtt cgctttccca gactttgtca 240
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agttggaaat aatttcctga ggctatgtgt tcttaaagtt acccancaaa gtgagaaaca 360
tttggagaac attctaaatg tggatgaatt tgtgaagaga atttttctg tgattcatag 420

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taatgacct gtggcaatag ccatcaccct ccgcatgttg ggaagtctgg catcaataat 480
 tcctgagagg aagaatgctc atcatagtat tcgtcagaat ttagattcac atgataatgt 540
 tacaanttga agcttgctgt ttttggctgc ctgcaaactt ctctggcncc ngtcnnaaan 600
 ggattttgct tgt 613

<210> 1969

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1969

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 cctcagagat ggctctgagt aaatcaatgc atgcaagaaa tagatacaag gacaaacctc 180
 ctgactttgc atatctggca tccaaatata canattttta gcagcatgtt cagataaatc 240
 tggatggaag agtgagcctt aattttaaag accccgaagc agtcagagct ctgacgtgta 300
 ctctcctaag ggaagatttt ggactttcta ttgatattcc attggagaga ctaattccca 360
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 ctgacaaaag tncctctccga agaggaattg acataggcac gggggcatct tgcattctacc 480
 ccttacttgg agcaaccttg aaatggctgg gtatttcctc gcaacagaaa gtggatgata 540
 tgtgtttcaa ctatgcaaaa gaaaaatgtg gaacagaata acttatctga tctccataaa 600
 aagtggatga angttgccac agaaagacac tccttgaatg ggatgctcct taaagaaaga 660
 aatctgaaga ataatcctat gaactttttg cattgttgcc aaaccctcc cttttttttt 720
 tggccaaatt ccaatttggg a 741

<210> 1970

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1970

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ccagttctgg agctattgca gcctcggttg cccggccggg ggacccgagc cgaaaagtta 120
tcgtcagaat gtcgggcaaa gaccgaattg aaatctttcc ctgcggaatg gcacagacca 180
tcatgaaggc tcgtttaaag ggagcacaga caggtcgaaa cctcctgaag aaaaaatctg 240
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gggattggaa cgttactcct tggcttatta tcatccacca gaaactggga atgaagaaga 660
agaagccgaa gaaaggggtt cctattaggg tttaaaaaga aaaattnccn ggaagaaaga 720
aannnag 727

<210> 1971

<211> 609

<212> DNA

<213> Homo sapiens

<400> 1971

acaatccttt gcggtggttc aagatggcgg cgcccagtgg cactgtgagc gattcggaaa 60
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cttggggctt ggagcaacgc ccgcacgtgg cagggaagcc aagagccggt gctgcaaata 180
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agaaagtcgc tttggaggat gatggtttcc gccttttctt cacatctgtc cctggangcc 420

gtgagaaaga aaatctcccc aaccccgccg aaagcgacag cctccanctc cagtgaagac 480
 agtgacnaag attgcggcgg tgcccgggaag cactgtttcg gcttcgacat cctacaggaa 540
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 anaaaccca 609

<210> 1972

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1972

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 atgttgtgca agaggactg tccatcaaac atcttcacc acagcttaga gcttttcagg 180
 ctgcctttcg agctcagggg cccctggcta tgctgcagca ctttgatact atctacagca 240
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 taaaagtggg atcccggcac tcccaggagc ttccagctat cctggatgat acaactttga 360
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 gtctcctgga atcctttgag accatggcca gccagacaaa ctttgtggac ctggaccttg 480
 gtgggaaagg taagaaagct cggaccaagg cagcccatgg ctttgactgg ggaagaaan 540
 aagcaaccaa ttcttcagct ttaacacag ctacttcca ntgggacat ccgttcacct 600
 gtgggaacca ctccaataaa ttgggaaaga aanaaatitg ttcagtttgg gttactgggg 660
 ctgtttggct taaccgggcc cttccttggg aanaaatccc caccatttt aaattcacc 720
 cagaaaanaa aaccggccc 739

<210> 1973

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1973

ataaggaatg cacatgagat ggcaacacata tttatgctgt ctgaaggica cgatcatgtt 60
accatatcaa gctgaaaatg tcaccactat ctggagattt cgacgtgttt tcctctctga 120
atctgttatg aacacgttgg ttggctggat tcagtaataa atatgtaagg cctttctttt 180
t 181

<210> 1974

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1974

ataatcgttg cgggctccgc gcgggtccac ttcccggctc ccttcgcctc caggatgcgc 60
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ggtgccatcc agcgcgctca gcgaggtcag cctgcgcctc ctctgccacg atgacataga 180
cactgtgaag cacctgtgtg gcgactgggt ccccatcgag taccagact catggtatcg 240
tgatatacaca tccaacaaga agttcttttc ccttgctgca acctacagag gtgccattgt 300
gggaatgata gtagctgaaa ttaagaacag gaccaaata cataaagagg atggagatat 360
tctagcatcc aacttctctg ttgacacaca agtcgcgtac atcctaagtc tgggcgtcgt 420
gaaaganttc aggaagcacg gcattaggtt ccctcttact tgaaaagttt aaaggatcac 480
atatcaacca ccgcccagga ccactgcaaa agccatttac ctgcatgtcc tcaccaccaa 540
caacacagca ataaacttct attnaaaaac agaaaacttc aagccaagca accactaatc 600
tccccttant tacttactcc attccaaagg ggttcctcca aaaaatnggc ttccacccta 660
atgttctctc ttacattcaa accggggggg gggcaacccc tccccttggg naacnaattt 720
ttggggaact taacattccc aagccaa 747

<210> 1975

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1975

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atagaagatc ctcggagagc gctgcctctg ggttggcggg ctggcaggct gtagccgagc 60
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cgattaagga ggcctttcgg ctggcgcagc agccgcacca gaaccaggcg aagctggtgg 180
tggcgctgag ccgcacctac cgcacgatgg atgataagac agtttttcat gaggagtcca 240
ttcattacct taaatatggt atggtggtct ataaacgtga accagctgtg gagagggtaa 300
tagaatttgc agcaaagttt gttacctcat ttcaccaatc agatatggaa gatgatgagg 360
aagangaaga tggatggcctt tttaaattatt tgtttacttt tctcttaaag tctcatgaag 420
caaacagcaa tgcantgggg atttanagtg tgcctgctca taaacaanct tttgggaagt 480
atgccanaaa aatgctcana ttgatgatga tgtttttgat aaaattaata aagccatgct 540
ttattaanat tgaaagataa gattcccnaa tgtttaaaaa taccagggca gttctggcgc 600
tttcacgact tccagggatc ccccaaggga ttgaatnaat gcccanttg gttaaatgnc 660
attattgcct actttttgaa ttggaaaaat tgaattccca attcccanaa aattttaaaa 720
ccggggccat ttnt 734

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<210> 1976

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1976

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agtagcgctt ctgccgccgc ggagcttccc gaacctcttc agccgcccgg agccgctccc 60
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gccgccgccc ttcgagggcg ccccaggccg cgccatggtg aaggtgacgt tcaactccgc 180
tctggcccag aaggaggcca agaaggacga gcccaagagc ggcgaggagg cgctcatcat 240
cccccccgac gccgtcgcgg tggactgcaa ggaccagat gatgtggtac cagttggcca 300

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aagaagagcc tgggtgttggg gcatgtgctt tggactagca tttatgcttg caggtgttat 360
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 gtgnaataa agtacatcaa agatgatgtc atcttaaatg agccctcttg cagatgcccc 480
 agctgctctc taccagacaa ttgaagaaaa tattaatac tttgagaaga agaagttgaa 540
 tttatcaagt gttgcctgtc ccanaanttt gcagaatagt tgatccctgg ccaacatttg 600
 ttccaatgaa cttttaacaa agaaaacttt acagccttan ttttaanant cttaacctt 660
 gggaataaag ttgcttattg ttgaatcccc tctttgaaac actttcccat tttggtttat 720
 tgccaccccc aanaaaaacc ctt 743

<210> 1977

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1977

aagagtgtc cggccgcggc cctgggagct ggaggaacgc gtctgggccc gcaggcaagc 60
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 cgaggtctcc tcaaccttcc ccgaagccgc tcacagcctt gtgatctgga tgcccgcaaa 180
 actgggggtca agcggcgcca cgaggaagac ccccggcgtc tgcggccttc gttggacttt 240
 gacaagatga atcagaaacc atactcagga ggtctttgtc tccaagaaac agcccgggaa 300
 ggcagcagca tctctccacc atggttcatg gcctgtagcc cccacccct ctctgcttcc 360
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 gctgtgcggt ggggtcggca ggcgctgagc aagcggacac tgtgccagcg ggactttggg 480
 gacctggact tgaatttgat tgaggaaaac taaaactgag aggctacttc ctggggccac 540
 acagactgac tctctcatgg ctactaacia gtgttcgaag cccaaggct gggggggccc 600
 naaccttggg gaatgggggg ttttaattgga agggctcccc actccaaggg cancttggga 660
 aaaatcttnc ttccgcctcc aagcaaaagc tccgaaccaa ttgcccagg aaaaacttgg 720
 gccnggg 727

<210> 1978

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1978

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aatatgttgc tgctggagat caatgaagcc gagtggatgg gggctgaatg tgcgagtcca   60
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gttttaagca gaaccatgaa aacctctgtg acaactccct ccagctccaa gagtgccggg  180
aggtagggggg cggcgcatcc gcggcctcga gcttgctacc tcagcccatc cccaccaccc  240
ctgacatcga gaacgctgag ctcacccccca tcttgccctt cctgttcctt ggcaatgagc  300
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ccactcatct tcccctctac cactatgaga aaggcctgtt caactacaag cggctgccag  420
ccactgacag caacaagcag aacctgcggc agtactttga agaggctttt gagttcattg  480
gaggaagctc accagtgtgg gnaaggggct tctcatccac tgccaggctg ggggtgtccc  540
gctccgccac catcgtcatc gcttacttga atgaaagcac acttcgggat gaccatggac  600
tggtatgcttt ataaatttgt tcaaagggca aaancgaacc aatttaatct tccccaaaa  660
cctttaactt ccattggggg gcaagtttgc taaaaanttn cgaaaggaaa gaaccttaaa  720
accaaacggg tt                                     732

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<210> 1979

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1979

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ctccaggctg ccgagactat aaaggcgcca ggttttctca atgaagccgg gacgcactcc   60
ggagcgcact gcgtggtcgc accctacccg ggctgccttg gaagtcgtcc ccgccgcccc  120
tccgcaccgg catgaagctt atcgtgggca tcggaggcat gaccaacggc ggcaagacca  180

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cgctgaccaa cagcctgctc agagccctgc ccaactgctg cgtgatccat caggatgact 240
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 tggagtctct ggacatggag gccatgctgg acaccgtgca ggcctggctg agcagcccg 360
 anaagtttgc ccgtgcccac ggggtcagcg tccagccaga ggcctcggga caccacatc 420
 ctccctcctgg aaggcttcct gctctacagc tacaagcccc tgggtgactt gtacagccgc 480
 cggtacttcc tgaccgtccc gtatgaagag tgcaagtgga gganaaatac ccgcaactac 540
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 aaagtatang caggaaaatg ggaagccaac ggggtgtgga aaattggtct acctggaacn 660
 gcattgaaat tccccgaaaa aagaactctt cccgttgaaa ttccttgga aaaaaatttc 720
 anaaactccc cttgcttgaa anccgcctcc ccaangaaaa ttcan 765

<210> 1980

<211> 556

<212> DNA

<213> Homo sapiens

<400> 1980

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 aaagcagact gcccacaaat cgaccggtgg taaagcacc aanaagcaac tggctacaaa 180
 agccgctcgc aanantgcgc cctctactgg aggggtgaaa aaacctcatc gttacaggcc 240
 tggtagctgtg ncgctcctng aaattagacg ttatcagaag tccactgaac ttctgattcg 300
 caaacttccc ttccagcgtc tggtagcgan aaattgctca agactttaaa acagatctgc 360
 gcttccagaa cgcaactatc ngtgctttgc aagaagcaaa tgaggcctat ctggttgac 420
 tttttgaaaa caccaacctg tgtgctatcc atgccaaaca tgtaacaatt atgccaaaag 480
 acatccanct tngcacgccg catacgtgga naacgttgct taanaatcca ctatnatggg 540
 aaacatttca ttctcc 556

<210> 1981

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1981

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tactggatcc ggtctccgtt ttggaagacc cgcctcggca cagccaggct cagtccggcc 60
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aatgatgaac gcctgctgag cattgtgaat gtctgcaaag caggaaaaaa gaaaaagaac 180
tgttttttat gtgccacagt gacaactgaa cgccctgtgc aggttaaggt ggtcaaagtc 240
aagaaatccg atnagggaga tttctacaaa aggcagattg catgggccct tcgaggtctt 300
gctgtggtag atgccaaaga tgctatcaaa gaaaatcctg aatttgattt acactttgaa 360
aaaatatata aatgggttgc cagcagcact gctgaaaaga atgcatttat ttcatgcatt 420
tggaattga atcagcgata tctccgggaa gaaaattgat ttgtcaatg ttagctcaca 480
gcttttggaa agaattctgtt ccaagtggga gaaaatcaga gtgtgacagg gaggtgatga 540
aagaaagtag tagatgaata ccaagaagtt aaattgccaa gaagaagaaa caggatatcg 600
aaattaatga tggnaaggct gttgaatatt gcaatctccg aaatgccgn aagcctttgg 660
cagaaaaaat ttgtcccaaa aaancttgcc agggttgctt anaatggggg cttaacantc 720
ccagttccaa tccatngggc at 742
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<210> 1982

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1982

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gtgcatccc caggagcctc tgccctcagt agtgtcctct ggagccccc aagcctcacc 180
gcctctgtgc cactctgaag gactgcccgg gaccctgga actgcaattg tcctgtgagt 240
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tcctgagtga ccagagcctg gagactctac tggactgctt acctcaactc cctcagctga 300
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ccttaagcct gtgtccacgg gttaaaaagg tggatctcag gtccctgcac catgcaactt 420
tgcacttcag atccaacgaa ggaggaggaa ggcggtgtgct gtggtctctc agcaaactg 480
ctgggcgaca gcgggactca gatgccttct ggaatgtctg ccgcaggtgc ccatctccgg 540
tttgcttgat ctgagtcaca acagcatttc tcagggaag tgccctgtta cctgctggaa 600
aacactggcc ctcttgccc cacgttgtcc gggaaggcc tccagttgaa accttggggc 660
tcttgaaaca aaaacttccc gggattccac tttctcccag aaaaaagga accaagggt 720
tgggggaaaa aaaaactcca gggcttaaaa tttnaagttg ccn 763

<210> 1983

<211> 480

<212> DNA

<213> Homo sapiens

<400> 1983

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caaacgcttt cgcgccgctc agaagaacat tgaccgggag accagccacg tcacatggt 180
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gctggacggc gtggtggaga agctcagcgt cctcaagagg aaggcgggtg aatccatcca 300
ggccgaggac ganagcgcca agctgtgcaa gcgccggtc gagcacctca aagagcatag 360
cagcgaccag cccgcggcgg ccancgtgtg gaanangaag cgcatggatc gcatgatggt 420
ggaacacctt gctgcgtttg cggctactta caacacggct tgttcnaa cgcgcgcgc 480

<210> 1984

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1984

gacagtggag tgaggccaca cticcctgcc cccaggcatg cagcaccctg ccagtggccc 60
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 gaagaagcac cggagggaaa aagagcaccg ggaccccccg accagacggc cccagcagtg 180
 ctactgaaga ggcagaggag tcgtttgaat ttgtggtggt gtccctcact gggcagacgt 240
 ggcacttcca ggcttcaacg gcggaggagc gggagctgtg ggttcagagt gtgcaggccc 300
 agatccttgc cagcctgcaa ggctgccgca gtgccaagga caagactcga ctggggaacc 360
 agaacgcagc tctggctgtg caggccgtcc gcaccgtccg cggcaacagc ttttgtatcg 420
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 cgccaacaag cgtctgggga aagggggcct tggggttggc ttactccaaa gcccgaagggg 660
 ccttgaatgc ccttgccaga aaaagggaaa aaaggaaacg cctgggaatn ccggggccca 720
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<210> 1985

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1985

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 agagtataa ggaaattggt ggtactcttc taggatttga tgactttgtc aatatggtac 180
 tggaagatgt cactgagttt gaaatcacac cagaaggaag aaggattact aaattagatc 240
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 ggaatttttt ttccacittt ctaatgttta aatcccataa agctaagttt cccgttaaag 420

ggaagtgctt tgaagatgtg tacccatttt tgtaagttaa tcatgattat cctggnaaaa 480
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 caaacaaaaa agttgttccc aaacaaaaan tgaatgaaac tttttgaatt ttgnaaacaa 720
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<210> 1986

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1986

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 tgtgctgtgg ttccagtatt agacaaactt ggccctacag tgtttgctcc tgtaagatg 240
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 gggcaactcc atcctatgaa gatthttgtg cgcgttaac cgtaaaggga aggtgaccac 600
 cgggaaagaa gctttccagt tttttgggga tncnnaaaag gggacccccc cctttaaccc 660
 ccccgcccc tngaaaaaaa cccaaantgg gccttccc 698

<210> 1987

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1987

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aaaactgtta acctcttacg gattttattca gtgttcagaa cgtcaagcta gacttttctt  180
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acaagaaatc ctccctgaag aacgaatgaa tggacaagaa gtgttttata tgacttacac  360
ccctgaagat gtcgaaggga acgttcagct ggaaactgga gataaaataa actttgtaat  420
tgataacaat aaacatactg gtgctgtaag tgctcgcaac attatgctgt tgaaaaaaga  480
aacaagcccc ctgtcagggg aagtagtttg tgccatgaaa ggaaggcatt tggctttatt  540
gaaaagaagt gatgtttgta aaaagaaaat attcctttcc actattagtt gaaatttaag  600
gggttgactt taaaaaacct taanagccct gggcgaatga atgttggaat tttccacaaa  660
tccaaggga accagaaaaa ttggttaaaa naaaaatttt gccaaaccag aatnttccag  720
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<210> 1988

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1988

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tagctgatca tgtgacaatc caagatggcg gtgcccggcg aggcggagga ggaggcgaca   60
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tttagccagt tccgagaaga gcgcggcggt ggcttctct gtttccacta ccggcatcgg  180
cctgagcggg cccctccgca ggccgctcct aactctgccc taattcctac cgaccagcc  240
gctgagggcc agcttctctc tcagacttcg gccaccgatg tccggcctct ctccactcga  300

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 tggctaccgg gtcgctgtct catccgcaga cttcggctac ctacggaggc atcaggtctg 480
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 cttcacccctg gctgacctga agcaactgcc ggagctgaac ccaccagtgc tgaatgcccc 600
 aaaagggaaa tgttgggggn actccccctt ggccgggggtt ctttttttgg gnaattttna 660
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<210> 1989

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1989

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 ctttaagcctg tgtccacggg ttaaaaaggt ggatctcagg tccctgcacc atgcaacttt 420
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<210> 1990

<211> 463

<212> DNA

<213> Homo sapiens

<400> 1990

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 gtgcgaccag gtgtctgcct gtatcccant gticangctg gctanacggc ggaagaagat 420
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<210> 1991

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1991

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 agaaggaaaa aacggaacga gacaagaatc agagcagtag caacagaaag gctgttgtcc 180
 ctggaccggc agagcatccc ctgcagtaca actacacttt ttggtntctcc aggagaaccc 240
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<210> 1992

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1992

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 atgcaagctt gccaccccc agcccaaaga aaatgccact tcttgccant aagcatcgag 600
 cccatnttgg taanccctcc attgttccgc cttgaaaagg gcccncacc aaggggcccc 660
 tnacttgccc ccacggggga aaaagcccat acccctaac tttttcccn aagnaantgg 720
 aaaag 725

<210> 1993

<211> 499

<212> DNA

<213> Homo sapiens

<400> 1993

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 aacatctcta tttagctgaa gaggaagac ataggaagca agcaagaaaa gtcgaccatc 360
 ctttgtcaga acaagttcac cagccgttgc ttgaagaaca gtgtagcatt gacgagcctt 420
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<210> 1994

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1994

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aactccatct tagtggcagg aatataatga aactaccac gcaagaacat ggttgaatca 180
catttgcttg acttagggca aagtacgaaa gagagacaaa agggttctct tggaacaag 240
aagagtgact ccagatgtgg cctgaataat tgccatgtta agttaatgca aaagatcaga 300
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ccggcacccc cggcaagccc actatcactt ccgacttcca acgtggcatc cgtgagatct 480
gtccacatta ggcaagcag ggagaacact gagancanca ggatggggtt gggaaagaac 540
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cccattttcc ccgaacagg cgaaatttcc ccccttgaag aaaaacnaat nccttnnaac 720
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<210> 1995

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1995

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gatattggcc ttttgggatt gaaagggag cagagaaagt taaaggagcc cttgccaaat 180
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agcaaggaga ctgcttcagc tatggcaact cttggggaag ctgcctaag ggaaatggaa 300
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 tgcaggggatg ctttccacac cagttgtgtg gcggtaccca gtatttcaca gggcctgcga 480
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 ctgctcgctt cccttcagcg tatccgagtt cgccttcctg agggagatgc acttcgatat 600
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<210> 1996

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1996

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 ggggtgtacgc acagatgcac ctctgatgca gtttaaactc atccttttaa agtacagcac 180
 cccacctac actggaggac agtcagaaag ccgtgtccag tcagcatctg aagatacagt 240
 aactgaaaga gttgaaatgt cagtgaatga caaagcagaa gcaagtggct gcagaagatg 300
 gtaaactag agaagaattg gttctcaggt gtctgtatag atggcctaata agttctctat 360
 accaactgta gttctttttc tgttctttca attcagtaga gtaaaaataa aaaacagtgt 420
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 agtttttttt gttttaaggc aaacttaaaa ttttaatggg aaacatttca tatgaaagcc 540
 aagtctcact gagatcacc tactgcttta ataattcaga aaaattttca catggcaaaa 600
 gtgtttggga attttatgnt atgtttatga aaagccatct ttttaacaat ttcttaaate 660
 cacatctctg gccttaaaact ggattccatg aatggtttaa tggtttttcc ctggtttngg 720
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<210> 1997

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1997

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gctgacgtgc agtccattgc tgtagctgac caagaagaca gtttcgtggt gggcacagcc  420
gagggaacag tcttccattt tcagctggtc cctgtgacat ctaacagcag tgagaagcag  480
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cccaacagcg ctgatatctg gaggcactga caccactta gtctttcgtc ctctcatgga  600
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tccccaccc gaatgttctc catctcctt ggtttcctaa aaaaaagaaa ggccaaggct  720
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784

<210> 1998

<211> 500

<212> DNA

<213> Homo sapiens

<400> 1998

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cggaagangg acaaagtgt cttctatggc cggaagatta tgcggaaggt gtcacaatcc 420
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actnaanatg ctcaacnttg 500

<210> 1999

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1999

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gaaaaacttg atgctttcat tgaagctctt catcaggaga aataaattaa aatcgtactc 180
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gtattattaa aaatccacca gtagccctg gcttaaaatc atttgttatg ttgttctggt 660
agttattcta ttccccaaga aaacttattt ggaaccatgg aataattcca gtttttaata 720
tttccccac cattggaaaa agaaaaaaa ttng 754

<210> 2000

<211> 745

<212> DNA

<213> Homo sapiens

<400> 2000

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agatccccac gcggcacctg gccatgctct cagctctccc gccgcgggat ggtgccttga    60
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gaaaactgaa gattcagcag atccagtgct tcctgctcct cttctgcccc ggaacacgct   180
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<210> 2001

<211> 750

<212> DNA

<213> Homo sapiens

<400> 2001

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cctcgacacc atggtggaca cttttcttca gaagctggtc gccgccggca gctaccagag   180

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<210> 2002

<211> 806

<212> DNA

<213> Homo sapiens

<400> 2002

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<210> 2003

<211> 720

<212> DNA

<213> Homo sapiens

<400> 2003

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<210> 2004

<211> 848

<212> DNA

<213> Homo sapiens

<400> 2004

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<210> 2005

<211> 859

<212> DNA

<213> Homo sapiens

<400> 2005

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<210> 2006

<211> 756

<212> DNA

<213> Homo sapiens

<400> 2006

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aatgttattt tncctgcccc naattgcttg gggcaa 756

<210> 2007

<211> 753

<212> DNA

<213> Homo sapiens

<400> 2007

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gccaaggga attcccagtg ttacctgttg gcagcccttc ttcagacacc ggcttacttc  600
tgcttccacg aaggctgctg gaccagaaa naaagtttta attggccctc cttggaattn  660
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<210> 2008

<211> 753

<212> DNA

<213> Homo sapiens

<400> 2008

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cgctcaagc cagcctcaga cagaaaactg aagattcagc agatccagtg cttcctgctc  180
ctcttctgcc caggaacacg cttgccttcc ccaaggcttc cagaagctct gaggcaggag  240

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gcaccaagtt ctacctcatg tttggaggat cttgctagct atggccctcg tactcggctc 300
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<210> 2009

<211> 769

<212> DNA

<213> Homo sapiens

<400> 2009

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 ccaactgttca cagtataatg gcaacctgca agacttaaaa gtaggagatg atgttgaatt 240
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 acaagcccgc tgtcagggan tagtttgtgc catgaaggan gcatttggct ttattgaaag 540
 aagtgatgtt gtaaaagana tattctttca ctatagtga ttttaangtg acttanaaac 600
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 aacagatgtc anactattgc ctccaggaac agtcattttt gaaaaatatc acattgaaca 720
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<210> 2010

<211> 884

<212> DNA

<213> Homo sapiens

<400> 2010

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tggcacacac aggatgggtgt tttaaagagt gggctgcacc cccacacgc catttacatc   180
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aattttcagg acgtcagctg tcagatacga aaggtagata tcaggtaaga atctggactt   360
aggaaatagt cacaaaactg tcataggttg taattttatc aacattcgct tctagtaaaa   420
ttaaagtcaa ttaagaaata gaacttgggt caaaattctg ttacaaagct tcataatttg   480
tcccgaagca tatggtggag cattctgaga aatttgcttt ttgtgtgttt gacattccta   540
atttgggant ccttcagctg aattactatt cttttagaan ttgagacagc aggtaagcaa   600
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<210> 2011

<211> 787

<212> DNA

<213> Homo sapiens

<400> 2011

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 gcttaattgt cctacttttg gatgaactcc tgcaaaaang atatggnctt gggctctggt 720
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<210> 2012

<211> 523

<212> DNA

<213> Homo sapiens

<400> 2012

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 cgggcgagtt caggggctgg gagaaagtgg gctcgggcgg ctccgggcag gtgtacaagg 180
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 gctacatcct gcctgtgtat ggcatctgcc gcgaacctgt cggcctggtc atggagtaca 360
 tggagacggg ctccctggaa aagctgctgg ctccggagcc attgccatgg gatctccggt 420
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523

<210> 2013

<211> 851

<212> DNA

<213> Homo sapiens

<400> 2013

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tggcttctgc tccaactgga tctggaaaaa cattagcttt tagcattcct attttaatgc	180
agctgaaaca acccgcaaat aaaggcttca gagccctgat tatatcacca acacgagaac	240
ttgccagcca gattcacaga gagttaataa aaatttctga gggaacagga ttcagaatac	300
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ttgatattct tgtgactact ccaaactgac taatctattt attaaagcaa gatccccccg	420
gaatcgacct agcaagcgtt gagtggcttg tagtagacga atcagatnaa ctgtttgaag	480
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aaganaactt gttaaaaang gtttcaatcc acctgtttct tgtttttggt tcagtcccat	780
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<210> 2014

<211> 841

<212> DNA

<213> Homo sapiens

<400> 2014

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 caacaactgg agggaatga tgccccctgct gtccttgatc ttctctgccc tcttcacctt 180
 cttcggcact gtcacgttc aggccttcag cgactctaata gatgagcgag agtcaagccc 240
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 ggagcgtgac tacactggtt atgtactggc tctgaatggc cacaagaaat acttctgcct 660
 cttcaagccc caaaagacag tcgaagaaga agaaccatag ggtcctgcag tgatgttgac 720
 tcttccctct acctgggtga atctcgaagg aaancttctt gttgncttgg attcaagccc 780
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 c 841

<210> 2015

<211> 424

<212> DNA

<213> Homo sapiens

<400> 2015

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 cctcctcagc cagccatgct ggagcatctg agctcgtctg ccacgcagat ggattacaag 180
 ggccagaagc tagctgaaca gatgtttcag ggaattattc tttttctgc aatagttgga 240
 tttatctacg ggtacgtggc tgaacanttc ggggtggactg tctatatagt tatggccgga 300
 tttgcttttt catgtttgct gacacttctt ccatggccca tctatcgccg gcacctcttc 360

aagtgggttac ccgttcnaca atcnagcaca gacnacaaga aaccagggga aagaaaaatt 420
naga 424

<210> 2016

<211> 669

<212> DNA

<213> Homo sapiens

<400> 2016

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agcatggcgg gcctaaagcg gcgggcaagc caggtgtggc cagaagagca tggtagcag 180
gaacatgggc tgtacagcct gcaccgcatg tttgacatcg tgggcactca tctgacacac 240
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cagccctcta aaacagtgcc tccccactat cctgtggtgt gttgcccac ttcgggtcct 600
canatgtgta ncaagcggnc agcccgaagg aaaaccacac ttggggaacc ancgaaaacc 660
cngaagccc 669

<210> 2017

<211> 774

<212> DNA

<213> Homo sapiens

<400> 2017

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 gtcacagcc actacgccgg gcaggatgcc acggatccct ttgtggcctt ccacatcaac 240
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 cattttgtga ttggccacct gaaaggggcc cccgccatt tgggtggaacc acatgcactt 660
 ccagcaccat gccaanccca actgcttccg caaaagacc anaaattcaa catngcatcc 720
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<210> 2018

<211> 762

<212> DNA

<213> Homo sapiens

<400> 2018

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 tcaatgatgg cagccatgag tggacagtaa agcaccgcta cagcgacttc catgacctgc 180
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 tcacggagca gctgcagcag ggaaagccca cgtgcgccag tggggatgcc aagaccgacc 540
 tcgggcacat cctggacttc acctgtcgcc ttaagttcct taaggtttct ggacagaaan 600

gaccttttgg gaccagcaac attcagganc actcctgccg ttcgacctat caatattcaa 660
gtccctgcat caggtggana taantcctgt gatgcttaac acatcnaaag ggctggtcnc 720
atccaaaccc accttaaccc nccctgaatt tttcgcttct ca 762

<210> 2019

<211> 580

<212> DNA

<213> Homo sapiens

<400> 2019

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agaacctggc acctccatgc ctctgagaa gaaggcagct gttgaagatt cagggaccac 180
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<210> 2020

<211> 673

<212> DNA

<213> Homo sapiens

<400> 2020

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gcaaaaggca gcgttgagg agctgacgcg ggcgacgtg gagtccttca actacgctgt 180
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<210> 2021

<211> 576

<212> DNA

<213> Homo sapiens

<400> 2021

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gataaaaaga gctgggatgc ctaagcctgt cagagttggt cagtataata tcaatacaga 240
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<210> 2022

<211> 605

<212> DNA

<213> Homo sapiens

<400> 2022

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<210> 2023

<211> 784

<212> DNA

<213> Homo sapiens

<400> 2023

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<210> 2024

<211> 631

<212> DNA

<213> Homo sapiens

<400> 2024

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<210> 2025

<211> 717

<212> DNA

<213> Homo sapiens

<400> 2025

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aacagtacga ctctgtgaac agctctccac agttatncca aactcacatg tttattacag  540
aagaagactg gctctgaaaa aaattattcc acagtgcac gcaagaagat ttcacagacc  600
tgattgttat taatgaagat cgtaaaaccc aaatggactt attttgantc ncttgcccaa  660
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<210> 2026

<211> 866

<212> DNA

<213> Homo sapiens

<400> 2026

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aaaggagaaa ttaacaaaat tctcacctga ggaaaaagga gagactctag acattcagag  180
tcttgaaaca gcaatcaaaa ggactgaagt ggggttaaga ggattttaag tatgatagaa  240
cgagggtga ttccaccaac agcaaggatt acctttcaga atccacccat tacaccaga  300
gcagctcctc tgcatagttt tgatgaagca cgtnagattc caactgtagc cactttcact  360

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atacctcggg aaccacctcc atctccagca gaagtgaagt tctttcccaa gaaacaaaga 420
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<210> 2027

<211> 760

<212> DNA

<213> Homo sapiens

<400> 2027

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 tgaaagaaga aataaatatt gcttgtattg aagctaaaca agcaggagaa acaattgcag 180
 cacttacaga cataaccaac ttgaaccatc tggaatctga tgggcagatc acaattttta 240
 cagacaaaac aggagtata aaggctgcaa gattacttct ttcttcagtg acaaaagtgt 300
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 aagatgaaaa gaaaaaggca aaaatggcag cagctagggc agttcttgaa aagtgtacaa 540
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 aaaacaaana aggagtattt gaccgtatga aagtggcatt ggataangtc cttgaaattg 660
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 attaanggaa ttcnanatga atattgaagc tcttcngga 760

<210> 2028

<211> 692

<212> DNA

<213> Homo sapiens

<400> 2028

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tccccgggt ggggccccgg gccgaggcga tggcgccctg ggcgctcctc agccctgggg 60
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acgataccga gctgcggcaa tgggaggagc agggggagct gtcctgccc ctcaccttcc 180
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ggcactgccg tgagtggcg cgttgcgtcc gccgctacga ccaccactgc ccctggatgg 420
agaactgtgt gggagagcgc aaccacccac tctttgtggt ctacctggcg ctgcagctgg 480
tggtgcttct gtggggcctg tacctggcat ggtcaggcct ccggttcttc canccctggg 540
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ncancccaac tgtttaaggt tgcttgaag cc 692
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<210> 2029

<211> 914

<212> DNA

<213> Homo sapiens

<400> 2029

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gaagaactac tataagagga tagagccgc agatgctcat gtgctgcaga aaaacctcaa 120
agttccttct ggtcagaatg cagatgtgca aaagacagac aactgaacaa attacaaatg 180
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aactttctta cacttgcttg tcgccaata aaagagaggc ccattgattc ctccccacc 240
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cagttgaagt tagatgggcc taaacattta attgtcaa attttcaa ttaatgtcct 480
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cagcagcagt atcttgttct ctaattcata gacaanttga ntgtgtttct ggtactttgg 600
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tctgaacact ctctcgggan ttggaacatt gttatccttg ttaanaaata ctaagcttat 720
gttgaathtt aagttattat atcttcnctc ctgccggtgg gttngggcat ttinggttaat 780
gttatacttt gggcttaagt ttttgaattt aactggcntt tttggcta at gaattgggct 840
ggttttttan caaggtttgt ttttncgcgc tgtttgaatg gttnccaatt gggcnttaac 900
tttttaaaaa attt 914

<210> 2030

<211> 799

<212> DNA

<213> Homo sapiens

<400> 2030

agggggaaaa atgcggcctt tgactgaaga ggagaccgt gtcattgttg agaagatagc 60
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ccgtctgcac aacgaccggg tgtactatgt gactgagaag attatgaagc tggccgcca 180
tatttcggg gacaagctgg tgcgctggg gacctgcttt ggaaaattca ctgaaacca 240
caagtttcgg ttgcacgtca cagctctgga ttacctgca ccttatgcca agggttttgg 300
ggtggcagcc aaatctacac aagactgcag aaaagtagac cccatggcga ttgtgttatt 360
tcatcaagca gacattgggg aatatgtgcg gcatgaagag acgttgactt aaaacgaagc 420
cattccaagg acagacggct gtatggaaag gccgagcttt gtttcctgtg tttgtgtgga 480
ctccaccatc atgttgaatt ttgtcaacac tctggcctct tcagggactt cttatttact 540

gtactctcta tcactgacaa atgcangctg gattcttatt atatacagag atggctcaaa 600
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ttcttgttct gaaaaataa gttcaaaatc attggaacca ngaacaana ataacttatt 720
gttatctgtg ataacactgt cttctaaaac accaaggatt tcttttttat taatatgccca 780
catanacntt gccntaacc 799

<210> 2031

<211> 722

<212> DNA

<213> Homo sapiens

<400> 2031

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agctccgcgg agacgacctc cgacgaccgc caacaatgaa gggaaaagag cgctcgccag 120
tgaaggccaa acgctcccgt ggtggtgagg actcgacttc ccgcggtgag cggagcaaga 180
agttaggggg ctctggtggc agcaatggga gcagcagcgg aaagaccgat agcggcggtg 240
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attcttcggg cggggggcgan tcgcgcagca gctcccgggg tggaggcggg gantcacgtt 420
cctctggggc cgcctcctca gctcccggcg gcggggacgg cgcggaatac aagactctga 480
agataagcga nttggggtcc cancttaatg acgaagcggg ggangacgcc tgtttcatga 540
gttcaaacgc ttcggtgatg taagtgtgaa aatcagtcac ctgtcgggtt ctggcacggg 600
gatgaacggg tacctttgtg aacttccggc ggccaaaaga cgcgcgggcn gncaancatg 660
ccanaaggcc gcctggtgct ctatgaaccg gcctctgaaa ataaaaactg tttttgtnaa 720
cc 722

<210> 2032

<211> 772

<212> DNA

<213> Homo sapiens

<400> 2032

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ttatgctaac atgaagaaaa gagaagggaac tcagctttct tcccaacagt ctgtgatgtc 60
taaacttgca tcatttttgg gcttttcaaa gcaatctccc caaaaaaaga atcatttggt 120
tttggaagaa aaaacagaat cagcaacttt tcgggtgtgt ggtgaaaatg tcacgtgtgt 180
ggaatatgct atctcctggc tacaagacct gattgaaaaa gaacagtgtc cttacaccag 240
tgaagatgag tgcacaaag actttgatga aaaggagtat caggagtga atgagctgca 300
gaagaagtta aatattaaca ttccctgga ccataagaga ctttgatta aggttttggg 360
aattagcaga gatgtgatgc aggctagaga tgaaattgag gcgatgatca agagagttcg 420
attggccaaa gaacaggaat cccgggcaga ttgtatcagt gagtttatag aatggcagta 480
taatgacaat aacacttctc attgttttaa caaaatgacc aatctgaaat tagaggatgc 540
caggagagaa aagaaaaaaa cagttgatgt caaaattaat catcggcact acacagtga 600
cttgaacaca tacactgcca cagacacaaa nggccacagt ttatctgttc agcgccctnc 660
gaaatcccaa gttgacatcc ctgccactg ggagtgatat gaancaccaa anttctgtgt 720
tgtggaactg ctgcctantg atnctgaatt acacacggtg gccagccant tt 772

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<210> 2033

<211> 747

<212> DNA

<213> Homo sapiens

<400> 2033

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aaaaaaaaa acatcaactc tgacctgcca atcatcatat cgattgagaa ccactgttca 60
ttgcctcagc aacgaaaaat ggcagaaatt ttcaagaccg tgtttgagaa aaagctgggtg 120
actaaattct tatttgagac tgatttctca gatgatccaa tgcttccttc acctgaccaa 180
ctcagaaaga aagttcttct taaaaacaag aagctaaaag cccatcagac gccagtggat 240
atcttaaagc aaaaggctca tcagttagca tctatgcaag tgcaggctta taatggtggg 300
gatgccaacc cccgacctgc caataatgag gaagaggaag atgaggagga cgaatatgat 360

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tatgactatg aatccctttc tgatgacaac attctggaag acagacctga aaataaatca 420
 tgtaatgaca agcttcagtt tgaatataat gaagaaatcc ccnagaggat aaagaaagca 480
 gataactctg cttgcaacaa aggaaagggtt tatgatatgg aactggggaga agaattttat 540
 cttgatcaga ataaaaagga aagcagacag attgcaccag aagctttctg accttggtat 600
 ctattgtcaa gcagtataat ttccaggact gtcaactcta aatgcatctg gctctagccg 660
 aaggaaaaga aaggaaaagc cggaantcct ttttggcaac catctgggcn gaatganccc 720
 ngggganaca gcctccttta acaaaac 747

<210> 2034

<211> 550

<212> DNA

<213> Homo sapiens

<400> 2034

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 cagccggccg agatggcggc cgagctgggc atgaggggcc ccaagaaggg cagcgtgctg 180
 aagcggcggc tggatgaagc ggtggtgaat ttctctttct actttcggac agacgaggcc 240
 gagcccgctg gagccctgct gctggagcgc tgcagagtcg tccgggaaga gcccggcacc 300
 ttctccatca gcttcattga ggaccctgag aggaagtatc actttgagtg cagcagcgag 360
 gagcagtgtc aggagtggat ggaggctctg cgtcgggcca gctacgantt catgcggaga 420
 agcctcatct tctacaggaa cgaaatccgg aangtgacgg gcaaggaccc cctggaacag 480
 ttcggcatat ccgaagaagc cangttccan ctgaatggct tgcangcgtg agcgcagggc 540
 acggtggtca 550

<210> 2035

<211> 736

<212> DNA

<213> Homo sapiens

<400> 2035

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gtgtgcaatg atggctgggg gaatcgtcat gactgccaat ctcaacatca attataaaag 60
acctatccct ctttgttctg ttgttatgat aaatagccaa cttgataaag ttgaaggaag 120
gaaatTTTT gtttcctgta atgttcagag tgttgatgag aagaccctat actcagaggc 180
gacaagcitta ttataaagc tgaatcctgc taaaagtctg acataaagag ctgctgggtga 240
actccatctc attctcgccc ctccagaaga agcagttgtc ccccaaatac tctgctccct 300
cactgctgaa tccctgtagg gagaagcctg ccaacagtga ctttccgaaa cagccttctg 360
aatacaaaga ggattcagtt tccatcttct caacttgta acacagaaac acttcctgcg 420
agcatatcga caactctcgg gccaggcgct gtggctcaca cctgtaatcc cagcacttta 480
ggaggccgan gcaggcgga ttgcctgagc tcaggagttc aagatcagtc tgggcaacac 540
gatgaaaact ccgtctctac taaaatacaa aaaattatcc aggcatgggtg gcgtacgcct 600
gtagtccag ctactcagga ngctgaagca gganaattgc ttgaaccag gaaggaanag 660
gtgcagtgaa gccaagaaca tgccacatca ctccaacctg ggcaacagaa caagaaacca 720
tctcnaacaa acnaac 736
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<210> 2036

<211> 721

<212> DNA

<213> Homo sapiens

<400> 2036

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ggagcgtcgt ggaaagcatt ggacacattt ccaccatgct aatggcattt taaatatatt 60
tggcaatttt cccaattttt tactgaagaa aactgtaagt ttatacttga ggactgaagt 120
gtgactctgc cgattatcag gctttcaaga tgaatctgga aaaactcagc aagcctgaac 180
tcctgacact atttagtatt cttgaaggag agcttgaagc aagggacctt gttatagaag 240
ccttaaaggc ccaacacaga gttactttca ttgaagaacg ctatggaaaa tataacatca 300
gtgatccttt aatggctcta cagagagatt ttgaaacact gaaggagaaa aatgatggcg 360
aaaagcagcc agtctgcaca aatccactct ctattcttaa ggttgtgatg aagcagtgca 420
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agaacatgca ggagcgcagc ctgtcccagc tggctgctgc tgagagcagg caccgaaagg 480
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 atgtccctac atgctanaga aggaaagana gaagctgact caacagttgg aatttgaaaa 600
 atcccaagtg aaaaagtttg aaaaagaaca gaanaanctc tctattccgc tggaaaaaga 660
 acgctcccgc cacaagcagc tctcatccat gctantgctt gaattgcaan aaagccncaa 720
 c 721

<210> 2037

<211> 781

<212> DNA

<213> Homo sapiens

<400> 2037

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 gattttccat tgctgtcaca agaacagaaa gcacacatta ggagaaaacc ttacgaatgt 180
 aatgagcagg gcaaagtctt cagagtgtct tcaagccttc ctaatcatca agtaatccac 240
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 caagctcttc aatcgaattg cataccttgc acgacacgag aaagtgcata ctggagagag 420
 tccttataaaa tgtaatgagt gtggcaagggt cttcagtcna attacatacc ttgtacgaca 480
 tcagaaaaat tcatactaga naaaaaacct cataaatgta acaaatgtgg caaggtttat 540
 agtancagtt catacctagc acaacattgg anaattcata caggananaa actttacaaa 600
 tgtaataaaa tgtggcaaaa aatttagtgg gcattcaagc ctcaccaccc atctgttaat 660
 ccacactgga aaaaaacctt acaaatgtta agaatgtgac aaagctttta ggcacaantt 720
 ctccctgaca gttcntcnaa aaaatcttaa tgggaaaaaa accttataa tntcctgaaa 780
 t 781

<210> 2038

<211> 780

<212> DNA

<213> Homo sapiens

<400> 2038

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ttgccagca agtgtgtggc tatcgactgt gagatgggtg gcacgggacc ccgagggcgg 60
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gangacagan aacctgacag cagcacagac atggaacagt acatggaaga acagtactgg 600
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tgaaaaaggg gcggggctcc ctggctgggc ttccngtgn gccngtaaga aattgggggg 720
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<210> 2039

<211> 629

<212> DNA

<213> Homo sapiens

<400> 2039

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agcggcgggc aggccgggca tggcgtccat ggcggcggcg atcgcggtt cgcgctcggc 60
ggatcatgagc gggaaccggc ctctggacga ccgggagcga aagcgcttca cttacttctc 120
gtcgctgagc cccatggcca ggaagatcat gcaggacaag gagaagatcc gcgagaagta 180
cgggcccag tgggcgcggc tgccgcccgc gcagcaggac gagatcatcg accggtgcct 240

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ggtggggccg cgcgccccgg cgccccgaga ccccggggac tcggaggagc tcacgcgctt 300
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 ttggcaagat gagcactctg cccctttctc ctgggaaaca aagagtcaga tggagttcag 420
 tatctccgcc ctatccatcc aggagccgag caacggcacc gccgccagcg agcccagacc 480
 actgtccaaa gcttcccagg gctcccaggc cctcaagtcc tcccaaggca gcaggtcctc 540
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<210> 2040

<211> 524

<212> DNA

<213> Homo sapiens

<400> 2040

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 ncgtgagtgg cgggtgtctg cagganctgc gtggcaggga nggcgtccat ggctgcancc 180
 aacaagggca acaagcccag agtccggagt atccgctttg cggcaggcca cgatgcanaa 240
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 gagattacct tcaactctgc cccactgcac aggctgagca aggatgtccg cgaggcacct 420
 gtccccancc tgcacctcaa gtcctcagc gtgggtgccc tccctgaaag ttatantgtc 480
 aagtgtgagt actcngcgca caaanaaggc gtcctcaaag aaga 524

<210> 2041

<211> 855

<212> DNA

<213> Homo sapiens

<400> 2041

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 ctcgccgaga cccccgcgcg gattcgccgg tccttcccgc gggcgcgaca gagctgtcct 120
 cgcacctgga tgacagcagg ggccgccggg tcctctcgac gccagagaga aatctcatca 180
 tccgtgcagc cttcttaaag caaactaaga ccagaggag gattatcctt gacctttgaa 240
 gacaaaaact aaactgaaat ttaaaatgtt cttcggggga gaaggagct tgacttacac 300
 tttgggaatc agaggcaatg agcccgtata tacttcaact caagaagact gcattaattc 360
 ttgctgttca acaaaaaaca tatcagggga caaagcatgt aacttgatga tcttcgacac 420
 tcgaaaaaca gctagacaac ccaactgcta cctatttttc tgtcccaacg angaagcctg 480
 tccattgaaa ccagcaaaag gacttatgag ttacaggata attacagatt ttccatcttt 540
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 tcacaagcat cactccccta ncccatcatc acacagatta ttccaagccc accgatatct 660
 catgganana cacactttct canaaatttg gattctcaag atccttggan aaactattta 720
 agatngatga aacaattgcc actccttgct tataaggaaa aaggccatcc tccaaattcc 780
 caaattttcc tctgatcaaa aaattactcc tctgctgcct nnaaaaatnt taatnccctc 840
 cccactacgg tggcn 855

<210> 2042

<211> 577

<212> DNA

<213> Homo sapiens

<400> 2042

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 ctcatagga ggacgaggag gtcatgaaca aggaggcggg agaggtggac gtggtggcta 180
 tgaccatggt ggccgagggg gaggaagagg aaataagcat caaggaggct ggacagatgg 240
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ccaaacatct tcttcatata caggaagtgg ataccagggt ggtggctacc agcaggacaa 420
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tcgtggaagc cgaagtggtc gtgcangcca nggangagct ggggangaag aaggaccaga 540
attatcncca aggggggtcaa tttgaacagc atttcca 577

<210> 2043

<211> 836

<212> DNA

<213> Homo sapiens

<400> 2043

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ctgccttata aaaattgttt ttgtgttctt aaagataata tgttgTTTTT ctgtTTTTTg 120
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caagggaag ggactcccaa gccccttttc aaggtaaact tatcaaagga gcccctgaa 780
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<210> 2044

<211> 749

<212> DNA

<213> Homo sapiens

<400> 2044

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cttgtatata aaaatgctaa atgtacgttg aaacgataca ccaatcagac ttttgataaa 60
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gatgcagatg gtatttgttc tccaggtgag aaagtagaaa acaaacaagt gcttgtaaata 180
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cagtacaaag atgtacccat aacctacaaa ggagcaacag actcatatat tgaaaaagtg 300
atgatatctt caaatgctga agatgctttt ctgatcaaaa tgctgctgag acagacaagg 360
cgtccagaaa ttggagacaa attcagcagt cgtcatgggc aaaaagggtg ttgtggcttg 420
atcgtccccc aggaagacat gccattttgt gattctggca tctgtccgga catcatcatg 480
aaccacacg gcttcccatc acgaatgacg gtggggaagc tcattgagct gctggctggc 540
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aangatgtg gtgnggacct cgtttgccat gggataact acttggggaa agactatgtt 660
acatccggca tcacangtgg agcccttata agcatacatc tattttgggc cccgtgtact 720
atcagaagct gnaacacatg gngctagat 749

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<210> 2045

<211> 839

<212> DNA

<213> Homo sapiens

<400> 2045

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gtttttactg tttgccggaa cagcgcacgg ctcaagttgt cgtctgggat ttgagagaag 60
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cgttttccac cgatggaatc cttacctcag taaaccaccg aagccctctt caagcagtag 180
aacctatctc aacgtccgtc cacaaaaagc agagctttgt gctttcacc ttttctactc 240
aagaagaaat gtcaggtttg tccttcaca tcgcttcctt ggatgagagt ggggttctca 300
atgtatgggt ggttgttgaa ttaccaaagg cagacatcgc aggttcaata agtgatttag 360

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gtctgatgcc tggagggagg gtcaagctgg tacatagtgc tctgatccag ttgggtgaca 420
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 tgccttcaga tcctaatacac tttattattg gcacagacat gggcttcata agccatggca 540
 caagacaaga tttgagagtg gctcccanac tattcaaacc tcagcaacat ggtataagac 600
 cagtgaaggt taatgtcatt gatttttcac catttggaga accaatattt ttgggccggc 660
 tgttcggacg gaagcatcaa ggctgcaaca actgagctcc gcgtttccgc tcctgcagtg 720
 ggacaacagc acggacagcc atgcgggtcac cggccctgca attggncccc caaaccaagg 780
 cctggcccgt tgttccctg gtgcaanggc caacacattc caaacaatcc tanaatcct 839

<210> 2046

<211> 773

<212> DNA

<213> Homo sapiens

<400> 2046

ttttttgtag agatgagctc tcactatgtc acccagggtc gtctcaaact cctgaaccct 60
 agtaattctc ctatctcagc ctcccaaagt gctaggggta cagacatgag ccactgtgcc 120
 tgtctagact tgtactttca actgtccatt tctccctgtc tgtcccatgg gcactcatga 180
 aaaaacagaa tgctcccaac tttattcatc ttccaagcct gtagctcttg gtataactcac 240
 tgttgcaagt cagaagcttg atttcatcat tgatgttttt ctacagtttc acatctcact 300
 catcaccaag tcatgttggg gtttaattct gattaaccct tgaatttacc gtcttctcat 360
 cctctgtaca aaagcctcaa gtgaggggtc aattcaacat tatcctgac tagacagccc 420
 ccattctcaa tccacccttt tccaagttga ttgcccaagg acttctaaca ataaactctc 480
 ttttgacca cagacttctt tgaaaatata catgctgttg accctctctg tagaaaaccg 540
 cacacataaa acttaccac agatttcatt ggttcttggg ttctcccgaa gcctatccat 600
 ggtttataga ttaagaattg atgaggtagc tgggcacagt ggctcacacc tacgatcaca 660
 gcacttcggg aaggctgaag caagcanatc acttgaggtc aaggagtttg agacaagcct 720
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<210> 2047

<211> 771

<212> DNA

<213> Homo sapiens

<400> 2047

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tattagaagt tggatttctg gtgaaagggt ttgagtgttt ttgaggcttt ggcacagaat 60
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tgatactgag tactgttttc taaaagaaca ttaaaaattg gataggttaa aaacagggtga 180
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agctctgcaa tggttctcag gttaaaggcc aaagtcctgt tcaaggcctc cagggtcctc 420
accacttggg cccttgctct ttctgttcta gccaaacttg cttctcctg cccctccgcc 480
gcaccatggc aatttccct gctctgtgtg gtcaactacc tgaatctgtt caaagctttg 540
ctcaaatgtc tccttcctga tgagacctcc ccagcccctg agctccccat gccccactcc 600
tgatgcctt acttaaacct tctttttctt ttttgccaag tagtacttat caccgtctaa 660
aatacttcat aatttacttg ttiantgggt gcccctctcc aatagaatgg tagctccttg 720
ggggcaggga cctttggcct ttgncctgtt caactgctgg ggtcccaagg t 771
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<210> 2048

<211> 752

<212> DNA

<213> Homo sapiens

<400> 2048

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aagatggccg ccccggtctg ggctgttttc agatgcttca agtgttgtga acagagactt 60
gtttggatta tgcatttctc agctagacta aataaatgct agcaatggat acgtgcaaac 120
atgttgggca gctgcagctt gctcaagacc attccagcct caaccctcag aaatggcact 180
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gtgtggactg caacacgacc gagtccattt gggcttgcct tagctgctcc catgttgcct 240
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 cattggaggt gaatgagatg tacgtttttt gttacctttg tgatgattat gttctgaatg 360
 ataacgcaac tggagacctg aagttactac gacgtacatt aagtgccatc aaaagtcaaa 420
 attatcactg cacaactcgt agtgggaggt ttttacggtc cctgggtaca ggtgatgatt 480
 cttattttctt acatgacggt gcccaatctc tgcttcaaag tgaagatcaa ctgtatactg 540
 ctctttggca caggagaagg atactaatgg gtaaaatctt tcgaacatgg ttgacaat 600
 caccattgg nagaaanaag caagaaagaa ccatttcaag gaaaaaata gtagtaaaaa 660
 ngagaagtaa agaaaaagac ggcagggaat tgggagtatc aagttaaagc anaattggga 720
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<210> 2049

<211> 666

<212> DNA

<213> Homo sapiens

<400> 2049

ctagtgttaa attggaaaat atcaataatt aagagtattt tacccaagga gtcctctcat 60
 ggaagtttac tgtgatgttc cttttctcac acaagtttta gcctttttca caagggaact 120
 catactgtct acacatcaga ccatagttgc ttaggaaacc tttaaaaatt ccagttaagc 180
 aatgttgaaa tcagtttgca tctcttcaaa agaaacctct caggttagct ttgaactgcc 240
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 catacacaga tgccagtcag ctcttggggt tgcgccaggc gccccgctc tagctcactg 360
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 gggacactgg tgtcttccat gtagcgtccc agctttgggc tcctgtaaca gaccttttt 540
 tggttatgga tggctcacia aatagggcc ccaatgctat tttttttttt ttaagtttgn 600
 ttaattantt gttaaagatt gtctaaaggg caaaggnaat tgcgaaaatc aagtccgtca 660
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<210> 2050

<211> 692

<212> DNA

<213> Homo sapiens

<400> 2050

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tacctttatg aagctttagt gattacaaag cacttttttt gtccattttt acctgagctt    120
tgtaaactct gatttgcagg atggctggct gtggtgaaat tgatcattca ataaacatgc    180
ttcctacaaa caggaaagcg aacgagtcct gttctaatac tgcaccttct ttaaccgtcc    240
ctgaatgtgc catttgtctg caaacatgtg ttcatccagt cagtctgccc tgtaagcacg    300
ttttctgcta tctatgtgta aaaggagctt catggcttgg aaagcggtgt gctcttcgtc    360
gacaagaaat tcccaggatg ttccttgaca agccaacctt gttgtcacca gaagaactca    420
aggcagcaag tagaggaaat ggtgaatatg catggtatta tgaaggaaga aatgggtggt    480
ggcagtacga tgagcgcact agtagagagc tggaagatgc tttttccaaa ggtaaaaaga    540
acactgaaat gttaattgct gggtttctgt atgtcgctga tcttgaaaac atgggtcaat    600
ataggagaaa tgaacatggg cgtcncaagg aagattaagc caagatataa taggatattc    660
caaaagnaaa ggganttaac tgggccttaa gg                                     692

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<210> 2051

<211> 302

<212> DNA

<213> Homo sapiens

<400> 2051

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tagagggcca ccttagcacc cgccgcgtcg cagctccggg actggccccg gccgcgacgc    60
cgccgcgatg ggcaacgccg ccgccgcaa gaagggcagc gagcaggaga gcgtgaaaga    120
gttcctagcc aaagccaagg aagatttcct gaaaaaatgg gagaccctt ctcagaatac    180

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agcccagttg gatcagtttg atagaatcaa gacccttggn accggctcct ttgggcgagt 240
 gatgctgggtg aagcacaggg agagtgggaa ccactacgcc angaagatct tagacaggca 300
 gn 302

<210> 2052

<211> 653

<212> DNA

<213> Homo sapiens

<400> 2052

cctgctgacc accgacgacg ccatggtctc catcgacccc accatgcccg cgaattcaga 60
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 aatccagagc gtgctggcgc aggttgcaga gcagttctca agagcattca aaatcaatga 180
 actgaaagct gaagttgcaa atcacttggc tgtcctagag aaacgcgtgg aattggaagg 240
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 catcgaggcc ctgcggaagc cgaccttga cgtctggctt tgggagccca atgagatgct 480
 gagctgcctg gagcacatgt accacgacct cgggctggtc agggacttca gcatcaaccc 540
 tgtcacctc aagaggtggc tgttctgtgt ccacgacaac tacaggaaac aacccttcca 600
 caacttccgg gactgcttct gcgtggccca agntgatgta cannatggtc tgg 653

<210> 2053

<211> 558

<212> DNA

<213> Homo sapiens

<400> 2053

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atittcccgt tgcattctgt gtccaagga tgaagtggac ttggatgagt tattagctgc 120
tagattggta acgtttctga tggacaatta ccaggaaatt ctgaaagtcc ctttggcctt 180
gcagacctct atagaggagc gtgtggctca tctacgaaga gtccagataa aatacccagg 240
agctgatatg gatatactt tatctgctcc atcattttgc cgtcaaatta gtccagagga 300
atttgaatat caaagatcat atggctctca ggaacctctg gcagccttgt tggnggaagt 360
cataacagat gccagactct ccaacatnga gaaaaggaag agactgaanc agtttcagaa 420
atcctatcct gaagtctatc aagaacgatt tcctacacca gaaagtgcag cacttctgtt 480
tcctgaaaaa cccangccga aancacagct gctaattgtg gcactaaaga agcctttcga 540
accatttcaa gagnaacta 558

<210> 2054

<211> 738

<212> DNA

<213> Homo sapiens

<400> 2054

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gcagacgtta tcggatgaat cggatgaggt gatcctgaag gacctggagg tgctggcaga 120
aatcgcttcc tccccgcag gccagacgga tgaccaggc cccctcgatg gccctgacct 180
ccaggccagc cactcagagc tccaggtgcc caccctggc agagccggcc tactgaacac 240
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taagttcatg atcaacctt tcaagagatt cagcagcgaa tggaagctcc tggaggtcag 360
aggccctttc atcatcaggc agctgtgcct cctgctgaat gcggagaaca tcttccactc 420
aatggcagac atcctgctgc gggaggagga cctcaagttc gcctcgacca tgggccacgc 480
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acctgaaaga ncctggagaa gccanaacct gtctgctgc ctgtaccgct cctggtgcc 600
aaaccagtc aacaagggtt ccctctggtt cctcaaccaa gaactaccgg gaacgcctat 660
gacctcatcc aaaaatttgg ggacctggag ggcaacgtgg acttcctccc aaaaggtgga 720
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<210> 2055

<211> 670

<212> DNA

<213> Homo sapiens

<400> 2055

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gccccacgcg cgccgacagt aaggtgtttg gggacctgga ccaggtgagg atgacctcgg 240
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gcactgactg ccgtgctcc tgtaccgcac ctccctctc tctcaacccc tgtgagaacg 420
agtggaagat ggagaaactc aaaaagcagg cgcccgagct cctcaagagc atcaaggcca 480
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ggcactattg agaatcactc tgccatcatg ctgggcatca agaaggagct gtcccgccctg 600
ggcctccanc tgctgcaaaa ggatgccgcc gccgcccctg cnaccctgca acgggcaact 660
gtancaaagg 670
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<210> 2056

<211> 615

<212> DNA

<213> Homo sapiens

<400> 2056

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cctgaggagt cgcggcggga gctgctggag cagatagcag actgctgcat gcgccagggc 120
agctaccacc tggccaccaa gaagtacacg caggccggca acaagctgaa ggccatgagg 180
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gcgctgctca aatccggaga cacggagaaa atcacgttct tcgcgagcgt gtccaggcag 240
aaggaaatct acatcatggc tgctaactac ctgcagtccc tggactggcg gaaggagccg 300
gagatcatga agaacatcat cggctttctac accaaggggc gggccctgga cctcctggct 360
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cacggggcgc tgacttgagg cctacaagtg cctggccaag gccaaggcca agagccccct 480
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ctcctggagg aanca 615

<210> 2057

<211> 724

<212> DNA

<213> Homo sapiens

<400> 2057

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aggccggggc atcatccact tcgccttcct cctgagtgc agcattctcc tgggtggccac 180
ctgggtgact catagctcct ggctgcccag cgggattcca ctgcagctgt ggctgcctgt 240
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ccctagctgc tgctggaagc ccgaccctga ccaggtagac ggggcccgga gtctgctttc 360
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cccaaggct aaggatgagg ctgcttcgcc agtgaaggga taggtgaacg gcgtcctttg 480
aagcaggatc agaccagcc agcagagatg gagagtgact ctgttggcag aaggcaggcg 540
aggataagct aacgatgctg ctgtggcctc tatgcactca gcaagagcgg gacgcctgtg 600
ctgggccggg caccaaggat ggtgctgagt cgggcaaaag gntcctttc aaggagtcca 660
aaagtgaaca agatgagaan ggctggggcc ctgganggtt caagaagccc caatttatgt 720
tcaa 724

<210> 2058

<211> 791

<212> DNA

<213> Homo sapiens

<400> 2058

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taaaaaaccc gctccagcac ccccgaaacc gggcaacca cctcctggcc accccggggg 60
ccagagttct tcaggaacat ctcagcatcc acccagtctg tcaccaaagc caccaccccg 120
aagccccctct cctcccaccc agcacacggg ccagcctcca ggccagccct cggccccctc 180
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ccaacctcct ggtgtccact cagctgggga cagcaagcct caccaacaca gcaccaacag 600
cttccaagat agtaacaggg tticagaacc gcatcgcagc atctttcctg aaatgcactc 660
agactcagcc agcaaagacg ttgcctgggc cgcacccctg tggaatataga caattgatac 720
cggagaagca ctgcccctgt tgaaggaaaa ggcccttttc cangcccttc caacaanttt 780
ccaaccctgg n 791

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<210> 2059

<211> 639

<212> DNA

<213> Homo sapiens

<400> 2059

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angctcttag gctccacccg gccctgaaca gctggcttgt cttggngtct cttgtgccac 60
cctccccagg aacagnngct tccttgattt ggccgcagcg atgatgggcc agctctgtgc 120

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taaacggagt cttgctctgt tgcccaggct ggagtgcaat ggtgcatct cggctcactg 180
 cagtctccgc ctcttgggtt caggctcatc cacctgcaga catggggcgc agaaagtcaa 240
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 gaggaccgc cccctgagca gccccgcgta ctgtggatcc agctgttcgg ttctgggtcca 540
 nagacattcc aggggtccag ggtgtgggtc ctgggctgtc acagccgtgt gtgtgtgtgt 600
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt anngggtgt 639

<210> 2060

<211> 744

<212> DNA

<213> Homo sapiens

<400> 2060

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 cagtatgaaa gcatggacca catccaagct gagctgtcgg ctagagtcac ggagctggcc 120
 ccagctggga tgcccacca gcagcaggtc ccctttctgt ctgtgggtgg ggacattggg 180
 gtccggaccg ttcagcacca agactgcagc cccttgagcg gtgactatgt cattgaggat 240
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 ggcgggggca gcctccccct ctttgtccac gatcaatttc caaagtctg cattgatgct 600
 gtggagatcg atccctccat gttggaagtg gccaccaggt ggtttggtt ctcccagagt 660
 gaccgaatga aggtccacat tgcagatggc ctggactata tcgccagctt ggcaggagga 720
 ggagaacacg gccttgcttc naaa 744

<210> 2061

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2061

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annaatgatg cccagatgg caaactttgt atacaacatg tacatgcatt tgatacagac   60
tacacatcat tatcatcaga ctttattaca actaccacct gctatggtag aagagggtga  120
ggaagticaa aatcaagaaa cagaattgga aacagaagaa gaggccatga ctgttcaagc  180
tgacatcata ccagtcctaa cagacaccag ctgccgtcaa gaaactccag cctttcaaac  240
tgacaccacc ccagtgaga caggagccac ttccactcca gaagccatcc ttgctttatc  300
tgagaccacc cctactgtgg taggagctgt atctgcaccg gcagaagcta acacacctca  360
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caaataacca ttcctttcat gttttgatca ctgagtgtgt ctgtaatcat acctacatta  660
aatcatTTTT ctatgaatat ataatatata cttcacattt ttagtgaact tctctaaaga  720
agaggacaga atatactgga ctttaaccag aatacccttg agtgtccaaa ttgggaagga  780
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<210> 2062

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2062

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actgggctgt gcggagaaat cnacttacta aanagagat taagaaagaa tactatgcgt   60

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 cctttggaat tcaactgaaa aggaacaaaa cagagaaagt aaaaggacga gacaatggga 240
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 aagtccccct ggtattacaa aaattttttg agaaagtga ggaatcaggt ctggaatctg 360
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 tcttcaataa agtgattgcc aatgaatcaa aaaaccgaat gagtctgtgg aacatttcta 720
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<210> 2063

<211> 599

<212> DNA

<213> Homo sapiens

<400> 2063.

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 agcccaagcc tacaacacca gtggagatta aagaggagct gaaaagcacg tcaccagcca 180
 gcgagaaggc agaccctgga gcagtcaagg acaaggccag ccctgagcct gagaaggact 240
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 agacggattc cccaacagtc catttgggcc tggactctga ttcagagagc gaacttgtca 360
 tagatttagg agaagacat tctgggcggg agggtcgaaa aaataagaag gaacccaaag 420
 aacctctcc caaacaggat ggcatggct agttgtaggt aaaactccac catccacgac 480
 ggtgggcagc cattctcccc cggaacacc ggtgctcacc cgctcttncg cccaaacttc 540

cgcggtctggc gccacagcca ccaccagcac gtntccacg gtcaccgtca cggncgccg 599

<210> 2064

<211> 791

<212> DNA

<213> Homo sapiens

<400> 2064

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gcgtgccggg tgtcatggcg gcctgcaggt actgctgctc gtgcctccgg ctccggcccc 60
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gagcactatg gagtagcgca gggctctcag ctgtggccgt ggacttaggc aacaggaaat 180
tagaaatata ttctggaaag ctggccagat ttgcagatgg ctctgctgta gtacagtcag 240
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tgccttttgt ggttgactac agacaaaaag ctgctgcagc aggtagaatt cccacaaact 360
atctgagaag agaggttggt acttctgata aagaaattct aacaagtcga ataatagatc 420
gttcaattag accgctcttt ccagctggct acttctatga tacacaggtt ctgtgtaatc 480
tgttagcagt agatggtgta aatgagcctg atgtcctagc aattaatggc gcttccgtag 540
ccctctcatt atcagatatt ccttgnaatg gacctgttgg ggcagtacga ataggaataa 600
ttgatggaga atatgttggt aaccaacaa gaaaagaaat gtcttctagt actttaaatt 660
tantggttgc tggagcacct aaaaagtcag attggcatgn tggaagcctc tgcagagaac 720
attttacagc aggacttttg ncatgctatc aaagggggag tgaaatatcc caacaaataa 780
tnagggcatt t

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<210> 2065

<211> 650

<212> DNA

<213> Homo sapiens

<400> 2065

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 gtccagattc ttcctttcct agaattgtcag ggctagggaa gtgctgagac cctctgggtct 180
 acccccaccc cctaatttta tgaaagacaa ggataaagtc ccagggaac aatgtgttca 240
 aggctaccca gtgacgcatg accccataca ggctctataa ggatgttaca ctcggtcatc 300
 tctacatgcc tggtagctag cacaggatcc tggtagattg gaggtgcttg agtaactgtg 360
 aatacaggaa catagtcatt taatagcaaa gctagagccc tgtccccaa ggccagctta 420
 ctgcctcccc tccccctcac gcctggcatc ccacctggat gtatgcatgg ttggtcggat 480
 gaaactcctc cccaacagga ttaggacact cgcctcaca gcgataggcg ttgtactgct 540
 tggggtagat gatccaggag ccccatncga tcaggttgaa gtccacctgg aacttgacct 600
 tccgacacag ttgacttctg tctggcaagt gatgncgacg gtgcctnttg 650

<210> 2066

<211> 563

<212> DNA

<213> Homo sapiens

<400> 2066

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 atgggaggac gaagagggtc caacaggaca tcttactgtc gaaatccgt ctgtgagccg 180
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 aagacagtgt ggtggtatcc accttcccac ccacctccc acacctncct gaacttccat 480
 ctgatcgact tcaacttgct gatggtgacc accatcggtc tgggccgncg nttcattggg 540
 tccatcgtga aggaggccta tca 563

<210> 2067

<211> 782

<212> DNA

<213> Homo sapiens

<400> 2067

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tgagaacatt aagaaaagat tatgctcggt acagtaaaga ggaagaaatg gatgatatgg 60
atagagacct aggagatgaa tatggatgga aacagggtgca tggagatgta tttagaccat 120
caagtcaccc actgatattt tcctctctga ttggttctgg atgtcagata tttgctgtgt 180
ctctcatcgt tattattgtt gcaatgatag aagatttata tactgagagg ggatcaatgc 240
tcagtacagc catatttgtc tatgctgcta cgtctccagt gaatggttat tttggaggaa 300
gtctgtatgc tagacaagga ggaaggagat ggataaagca gatgtttatt ggggcattcc 360
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atgcttcaag agccattcct tttggaacaa tgggtggccgt ttgttgcatc tgtttttttg 480
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actttccttg tcgtgtcaat gctgtgcctc gtcctatacc ggagaaaaaa tggttcatgg 600
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tgtatttcat cttcacgtct ttctggccat ataaagatct attatggcta tgggcttcat 720
gatgctggtg ctgggtatcc tngncattgg gactgnctgn gtgactattg ggtgcacata 780
tt 782

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<210> 2068

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2068

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aaaaaaaaaa aaacatatca gaatcacact gtggtttttc tgggatcaga gaagggaatc 60
atcttgaagt ttttggccag aataggaaat agtggttttc taaatgacag ccttttcctg 120

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gaggagatga gtgtttacaa ctctgaaaaa tgcagctatg atggagtcga agacaaaagg 180
atcatgggca tgcagctgga cagagcaagc agctctctgt atgttgcgtt ctctacctgt 240
gtgataaagg ttcccccttg ccggtgtgaa cgacatggga agtgtaaaaa aacctgtatt 300
gcctccagag acccatattg tggatggata aaggaagggtg gtgcctgcag ccatttatca 360
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gctgtggtgc ancgcaagga gaaggagctc acccactcgc gccggggctc catgagcagc 660
gtcaccaagc tnagcggcct ctttggggac actcaatcca aagacccaaa gccggangcc 720
atcctacgcc acttcatgca caacggcaaa gctcgccact cccggcaaca cggccaagat 780
gctnat 786

<210> 2069

<211> 770

<212> DNA

<213> Homo sapiens

<400> 2069

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ttgtggtctc cttaaagccc atctcgttgg ccttggttcg gctagtggta tggaggggtg 180
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gttctggaat gatgacgact cggagggaga taatgaatca gaggaatttc tctatggcgt 300
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cgtgaaggag atctacagtg agaactctgt atccatcaga gaatatggaa ctatcgatga 420
cgtggacatt gacctccaca tcaacatcag cttcctcgat gaggaagtct ctacagcctg 480
gaaggtcctn cggacagaac ctatttgtgt gaggctgcga ttttctctct cccagtacct 540
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gggtcttcag ttgaaaaaga tcctgggtat gtttacatcc caacaatgga aacatctgag 660
 caatgatttc ttgaagaccc agcaggagaa gaggcacagt tggttcaagg caagtggtag 720
 catcaagaag ttncgagctg gctcagcatn ttttnacat tcccaagtct 770

<210> 2070

<211> 784

<212> DNA

<213> Homo sapiens

<400> 2070

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 tggagcccaa ggtctggaga gaagctgcta ctcaagtgtt ctttgcctta ggtctgggat 120
 ttggtggtgt cattgccttt tcaagctaca acaagagaga caacaactgc cactttgatg 180
 ctgtcctggt gtccttcac aatTTTTTca cttctgtcct ggcaacattg gtggtgtttg 240
 cagttctggg cttcaaagca aatgtcataa atgagaaatg cattacacaa aattcagaga 300
 cgatcatgaa atTTTTgaaa atggggaaca ttagtcagga tattattccc catcatatca 360
 acctttcaac tgttactgta gaagactatc atttagttta tgacatcatt caaaaagtga 420
 aagaagaaga gtttctgct cttcatctca attcctgtaa aattgaagaa gagctaaata 480
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 ctgcatctcc cttctgggtca gtgatgtttt tcctcatgct ggtcaatcta ggccttggca 600
 gtatgttttg aaccattgaa gggattgtca cgcctattgt ggacactttc aaagtgagga 660
 aagaaattct tactggtatc tgggtggctt tggcattttg nattggcctg atattgngca 720
 acgctctgga aattactttg gtacaatggt tgatgattat tctgctacac tgnctctgct 780
 aaat 784

<210> 2071

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2071

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ggagggttatt acagatgtac tcgctatgaa gtcattcaac acgtggagga gcaatccaag	120
gaaatgactg tggaggctga gaaaaaacac aaacgatttc aggaacttga cagatttatg	180
cactattata caagatttaa aaacatgag catagtattc agctagaaca acgccttctt	240
aaaacagcca aagaaaagat ggagcaattg agcagagctc tcaaagaaac tgaaggaggc	300
tgtccagata ccactttcat tgaagatgca gttcatgtgc tcttaaaaac tcggcgcatt	360
ctcaagtgtt cttatccata tggatttttc ttggaacctt aaagcacaaa gaaagaaatt	420
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aggccttacc ttcgcacacc ccgccacaag atcatcaaag cagcatgcct tgtacagcag	540
aagaggcaag aattcctggc atctgtggct cggggagtag ctcctgcaga ctcaccagaa	600
gctccaaggc gcagctttgc tgggtggaaca tgggattggg aatatttagg atttgcacca	660
ccagaggaat atgctgaatt tcagtatcgg aggaggcaca gacaacgtcg tcgaggagat	720
gttcacaggt ctactcagta atccttcaga ccctgttgag ccaagtgaaa gcactttaga	780
ttattccc	788

<210> 2072

<211> 762

<212> DNA

<213> Homo sapiens

<400> 2072

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cagattcttt atcagatgaa gttacacaca atagcaatca gaataacagc aattgttctt	180
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tcaaagctca tgataaaaaa gattttaact tacctgaata tgatttgaat gttgaagagc 420
 gattagtctt aattgagaaa agtggtgact caacagccac agctgatgac actcaciaat 480
 tagatcatat caatatgaat cttataaac ttataactaa tgatacattt caaccagaga 540
 tcatggaaag atcaaaaaca caggatattg tgcttggaac aagcttttta agcattaatt 600
 ctaaagagga aactgggcac ttggaaaatg gaaacaagta tcctaatttg gaatccgtaa 660
 ataaggtaaa tggacattct gaggaactt cccagtctcc taatcggaacn ggaaccccat 720
 gacagcgatt ggtcnccttg gacctcangt cctttcaaaa gc 762

<210> 2073

<211> 695

<212> DNA

<213> Homo sapiens

<400> 2073

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 cgatgggtctt tcctctgcat tgctgatctt gtacttggat tcagcaagga accttccgtc 120
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 gtctgggtct ccaggccctg gtggcagcaa cacagctcca tccacaccag tcattggggg 600
 cagtataag cctggtatgg aagaaaaggc ccagccccct gaggccggcc ctnancggct 660
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<210> 2074

<211> 608

<212> DNA

<213> Homo sapiens

<400> 2074

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tacaccgaca agttgttcaa gttccgcaat aaccggtggg aagacatcct gagcgatgag 180
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ggacatcg 608
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<210> 2075

<211> 819

<212> DNA

<213> Homo sapiens

<400> 2075

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gaccggaggg atgagtgtt ctccccacgt gctccccgac gactcacaca tggacaccta 240
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ggtgaagatg accgcccagg agctcgccaa tggaattcct gactctgggc acctgtacgc 420
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atccatcagg gcaggccgga ccctcacgcc cgcaggggac ctgcaggaga ctttcagcgg 480
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<210> 2076

<211> 741

<212> DNA

<213> Homo sapiens

<400> 2076

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 tacaagacca cggtatgacat cgtgaagggt gaagtctggg atgtagtaga caaaggaaaa 180
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 ttcgacatta ccaagcagtg gaccttcaat tacattctcc gggagcttcc aaaagtcccc 360
 acccagctgc cagtgtcgt gctggggaac taccgggaca tgggcgagca ccgagtcac 420
 ctgccggacg acgtgcgtga cttcatcgac aacctggaca gacctccagg ttcttcctac 480
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 cagctggaca tggacgccac gctggaggag ctgtcgggtg agcaggagac ggaggaccag 660
 aactacggca tctttctcgg aaatgatgga ggctccaanc cngggccatt gcgtncccaa 720
 ttggccggct taacgggcag a 741

<210> 2077

<211> 819

<212> DNA

<213> Homo sapiens

<400> 2077

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<210> 2078

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2078

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cccgaggctg ggggcacctt gccctctcgc ctgcagccca ttctcctct ggaccctca 180

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ggctctcatg ccccgctgct gactgtgccc gggcttgggc ccttgccctt ccactttgcc 240
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<210> 2079

<211> 759

<212> DNA

<213> Homo sapiens

<400> 2079

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<210> 2080

<211> 791

<212> DNA

<213> Homo sapiens

<400> 2080

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gacgttgatc gagccggggg gcgacgacca caagctgacc cccgncttcc tcctgtgcct 480
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ggcgcaactc caggagccca tctcgctggc cagctgcgcc atggctgac tggttccaga 660
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gccatntaca tgcagacatg gangacactg gcatacaggt cgaagatcgt gttctgacct 780
tacgcagcag a 791
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<210> 2081

<211> 815

<212> DNA

<213> Homo sapiens

<400> 2081

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gcacctttgc ctgcaaggcc ctctacccca tggcccagtg tcatctcagc agggctcttg 240
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gagaccctgt ctctatitaa gaaaaaataa ttaagaaatt ttattaaaaa agaagaatca 720
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<210> 2082

<211> 817

<212> DNA

<213> Homo sapiens

<400> 2082

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gaaagaaagc tagatcattt gctaaagcag ccattgagaa acagaaatca gcatttattc 180
gttggggaat aatggcagat tggaataatt gctactatac atttgatggg aagtatgaag 240
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atggtcttgc agtcatccat taattcctga taaagcctct cctcttttac ctgcaaatca 720
 tgtgaccatg gcaaaaggaa cgggattggn tcacacagnc ccagctcatg gtatggaaga 780
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<210> 2083

<211> 821

<212> DNA

<213> Homo sapiens

<400> 2083

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 ggtggacgat taccagatgg acttccaccc ttctccagta gtcctcaagg ttataagaa 180
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 caactatgac ctaaactgtg acaagctgtg tgctgacttc caggaagaca ttgagttcca 420
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<210> 2084

<211> 687

<212> DNA

<213> Homo sapiens

<400> 2084

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ccaatcccat tctgggctcg gaggtgaca gtgaccgcag gacccatccg actctgggcc 60
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cgggccaggt ggtggacgat ggcctggagc acaggagct gggccatggg cagcctgagg 540
ccagaggccc cgntcctctc cagcagcacc ctcagggtgtt gctctgggaa cagcagcgac 600
tggctgggcg gttccccggg gcagcaccgg ggacactgng ctgnttctct ggcccaaggt 660
gggcaccggc cntgtcccc gggctaa 687

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<210> 2085

<211> 762

<212> DNA

<213> Homo sapiens

<400> 2085

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nccgaggtct ctgcagacaa actggtggca ctggggctgt tcagccagca ctttaatttg 60
gccacattca ataagctcgt ctccatcga aaagccatgt accatgctct ggagaaagct 120
agggtgagcag ctggcaagac cttcccagc agccctggag actcattgga ggaccagctc 180
aagcccatgt tggagtgggc ccacgggggc ttcaagccca ctgggatcga gggcctcaaa 240
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ttagaatcaa ggaaatacga gaacaagact cgaagacgca cagctgacga ctcagccacc 360
tctgactact gncccgacc caagcgctn aagacaaatt gctataacaa cggcaaagac 420
cgaggggatg aagatcagag ccgagaacaa atggcttcag atgttgccaa caacaagagc 480

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agcctggaag atggctgttt gtcttggtgc aggaaaaacc ccgtgtcctt ccaccctctc 540
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 atgaccatgg ctatcagtct tactgcactg tgtgctgcga gggccgagag ctgctgcttt 660
 gcagcaacac gagctgctgn cgggtgtttct gtgtggagtg cctggaggtg ctggtgggca 720
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<210> 2086

<211> 710

<212> DNA

<213> Homo sapiens

<400> 2086

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 aactggaatc cctcccggag aacaagaagt gcgtccccga gggcatcgag gacccccagg 120
 cactcctgga ggggtgtgaag aacgtcctga aggagcacgc agatgatgac cctagtctgg 180
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 aggagtcaga ggggtgtgtc aacgacgagc ttcaaactgn tgggagtgtc cgaagtgtaa 660
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<210> 2087

<211> 698

<212> DNA

<213> Homo sapiens

<400> 2087

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cattcttcca tcgctgtgct cctgtgaaca ttctctgcta tgccaagttt gcagaggccc  180
tgatcacctt tgcagtgac aatagtgtct tacacaggct gattagtgga gtaatgacca  240
gcaaagaaat tatattggga ctttgcttgt tatcactagt tctatccatg attttgatgg  300
tgataatcag gtatatatca agagtacttg tgtggatctt aacgattctg gtcatactcg  360
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aagaaactgt tactcctgag cagcttcaga tagctgaaga caatcttcgg gccctcctca  480
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gcaaacgtgt tgctcttacc atcgccctgn tccacgtagc tggcaaggtc ttcattcact  600
tgccactgct agtcttccaa cccttctgga ctttctttgc tcttggcttg gtttgggtgn  660
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<210> 2088

<211> 718

<212> DNA

<213> Homo sapiens

<400> 2088

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gaagatgact tcctcaacaa cgccatgtcc tccctgtact cgggctggag cagcttcacc  180
actggagcca gccggtttgc ctcggcagcc aaggaggggcg ctacaaagtt tggatcccaa  240
gcgagtcaga aggcgtccga gctgggccac agcctgaacg agaacgtcct caagcctgcg  300
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gcgtccaagg tccaggaggt cggtagtaag ggatggcggg acgtcaccac ctttttttcg  420
gggaaagcag agggccctt ggacagcccc tcggaggggcc acagttatca gaacagcggt  480

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ctggaccact tccaaaacag caacatagac cagagcttct gggagacctt tggaagtgt 540
 gagcccacca agacccgcaa gtccccgagc agcgacagct ggacgtgcgc ggacaccttc 600
 accgagagga ggagctcggg cagctggggag gtgtggggct cggncctacc aacaggaaca 660
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<210> 2089

<211> 725

<212> DNA

<213> Homo sapiens

<400> 2089

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 tacggcgaca tcctgcagtg gggctttctc gacaccttct tcaacctgac cctcaaggag 480
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<210> 2090

<211> 672

<212> DNA

<213> Homo sapiens

<400> 2090

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ccgttggtccc gaagagcgag atcgagcttg gccccctccc ccccntcctt ccttccctcc 60
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atatattaga gcgcttgat ttatgtatat aagatataca cagcccccta cagatctgtg 600
ggactggttt gaatccttcc ttgatgatga agaggaccta gatgtgaagg ctggnnggag 660
gcttgngtaa tg 672

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<210> 2091

<211> 678

<212> DNA

<213> Homo sapiens

<400> 2091

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ttgcatctta tattctgcan aggatatggg aggtgattga atacaatcct tctcagtgtc 540
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atatggaaaa ctgntcgag cggtttcttt tggctcacia ttatcctaaa gtgaggactt 660
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<210> 2092

<211> 665

<212> DNA

<213> Homo sapiens

<400> 2092

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tgga 665

<210> 2093

<211> 701

<212> DNA

<213> Homo sapiens

<400> 2093

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gaagcatgag gatgnttgta cagcgtatt aattacaggc ttcaattccc tggcctggaa 660
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<210> 2094

<211> 796

<212> DNA

<213> Homo sapiens

<400> 2094

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ngatgcggtt taaacagagg ctgaaagtga tccagtcctt ggaggacacg gccaagagga 60
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acatggtgtt taaggccaag cacctggcta gccagtactg ggggtgcagc cgcacaatgg 180
ccggccgtcg ggaccccagc ctgccctacc tggagcagta ccggattgat gccagccagt 240
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gaagtggaag tgaggagaga ggagaggaga aggggaccag ctctccggac tatcggcact 600
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 gatgaaccag gagcagttca ttgagctgtg caagacgctt tacaacatgt tcagtgaaga 720
 ccccatggag caggacctgt accacgcca tcggcacctt ggccagnctt ctgnttccgc 780
 atcggaag gttggn 796

<210> 2095

<211> 751

<212> DNA

<213> Homo sapiens

<400> 2095

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 tttttggcag caatagaatc actaaaggca ttctgggatg ttatggatga aatcgatgag 660
 aagacctggg tacttgagcc agaaaaacct tcacggagtg caacagcacg cagaattgca 720
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<210> 2096

<211> 749

<212> DNA

<213> Homo sapiens

<400> 2096

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ccgactgcag agggatttga agagagtggg ggatgctagg ctgaggctca ncgaggagct 660
cagcggcggg aggatcaagc cgaagcctgt ggaggtccan gtggtcacgc atcacatgca 720
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<210> 2097

<211> 751

<212> DNA

<213> Homo sapiens

<400> 2097

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acgcagatcg agctgcgggg caaccggctg gagtgcctgc ctgtggagct gggcgagtgc 720
ccactgntca aagcgcaacg gcttgggtggg n 751

<210> 2098

<211> 615

<212> DNA

<213> Homo sapiens

<400> 2098

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gaacgaaact cacctaattc caggagtgtt aggatccctt ctctaacat ttgaaaact 180
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gtaattgaag acant 615

<210> 2099

<211> 827

<212> DNA

<213> Homo sapiens

<400> 2099

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tggaagagcc ttatttgcac cctcaaccct tagtagacat gagttcattc atatgggaaa 180
gaaacattac aaatgtgaag aatgtggcaa agccttcatt tggtcctcag tcctaactag 240
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caagtggctc tacaccttac tataactga gagtctgaac ttactctgta ccatnccaac 780
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<210> 2100

<211> 862

<212> DNA

<213> Homo sapiens

<400> 2100

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attttggatc gaatgctgcc agaactaaaa aaaagaggtc acaaggtgct gcttttttca 180
caaatgacaa gcatgttggc cattttgatg gattactgcc atctcagaga tttcaacttc 240
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acggatccag aggtgtttat cttcttagtg agtacacgag ctggtggcct gggcattaat 360
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 gaaataaaaag gatcaagana gaaggtcatt agtgataaag atctagagtt ggttggtaga 720
 tcgaagtgat cttattgatc aaatgaatgc ttcangacca attaaaggag aagatgggga 780
 tattcaagat ntagaaaatc tgaagattnc agtcctgaat tggagaccgg gggtcaccat 840
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<210> 2101

<211> 718

<212> DNA

<213> Homo sapiens

<400> 2101

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 aactcttggc agccgagcgc ggtggctcac gcctgtgatc ccagcacttt gggaggccaa 180
 ggctgggtggc tcacgaggtc aggagatcga gaccatcctg gctaacacgg tgaaacccccg 240
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<210> 2102

<211> 880

<212> DNA

<213> Homo sapiens

<400> 2102

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ccagttcaga aattggtact ggaatgggta cctatgccac ctcaaaagtg cccttacagn  840
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<210> 2103

<211> 740

<212> DNA

<213> Homo sapiens

<400> 2103

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<210> 2104

<211> 848

<212> DNA

<213> Homo sapiens

<400> 2104

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 aatcttacag gtgcttgag atgtgtttga tgccccgggtg tatggtatag acactgncaa 780
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<210> 2105

<211> 905

<212> DNA

<213> Homo sapiens

<400> 2105

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 cagaantata gattctaatac tgagtgaagt actgagcttt ggtccctnaa acaagctgag 840
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<210> 2106

<211> 832

<212> DNA

<213> Homo sapiens

<400> 2106

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<210> 2107

<211> 844

<212> DNA

<213> Homo sapiens

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<210> 2108

<211> 873

<212> DNA

<213> Homo sapiens

<400> 2108

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<210> 2109

<211> 691

<212> DNA

<213> Homo sapiens

<400> 2109

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<210> 2110

<211> 720

<212> DNA

<213> Homo sapiens

<400> 2110

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<210> 2111

<211> 460

<212> DNA

<213> Homo sapiens

<400> 2111

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<210> 2112

<211> 800

<212> DNA

<213> Homo sapiens

<400> 2112

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anaaagcgtc tggaggagat catgaanagg actcggaagt cagaagtffc tgnaaccaag 720
aagcaggaca agcaaggagg ccaacgcca cggtttcaag ccnaaacct gttaaagctg 780
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<210> 2113

<211> 516

<212> DNA

<213> Homo sapiens

<400> 2113

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 gagaagatag ccggcccat tggcatgcgt atgagccac cggcctgggt tgaactaaag 180
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 atacagatgg ttgtttgcat catcatgggc ccacgagatg atctctatgg ggccatcaat 300
 aagctgtgct gtgtgcagtc ccagtgccc tcccaggtt tcaatgttcg aaccattggg 360
 cagcccacca ggcttaggag tgtggcccag aagattttac ttcagattaa ctgtaaattg 420
 ggtggtgagc tctggggagt ggntattcct ctgaaacagt taatggtgat cgggatggat 480
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<210> 2114

<211> 800

<212> DNA

<213> Homo sapiens

<400> 2114

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 tcaaaacatt aattttgttg aagcatttca agatgagcta ttagtaactg aagtatatga 240
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 taactctgtg aggttactga gatttgagct gtgctggcca gcgcattgcc tcacagtcac 660
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ggacgatgga cngaagaaaa 800

<210> 2115

<211> 813

<212> DNA

<213> Homo sapiens

<400> 2115

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cagaagccag ggggttgnaa ggggagnaag ctttttggaa caaggcaagg atgcccaacc 780
ggttgctttc aagcttgnct tccttgcccc aag 813

<210> 2116

<211> 730

<212> DNA

<213> Homo sapiens

<400> 2116

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tgcctgcggg agcaggtgga gaagaagaac ggcgagctga agagcctgcg gcagagggtc 480
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cagtgggtgga gccactggtc ctggatgctg ggcacctggc tgcnggacc cacctggagc 660
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acgtgggcca 780

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<210> 2117

<211> 703

<212> DNA

<213> Homo sapiens

<400> 2117

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cctcgccgca cgcacagcct ccacctcaca atcctagcag catgatggga cccacagtc 180
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tggggcccat gggtcccggc ccacagaatt acggcagcgg catgagacca ccaccaact 420
ccctcggccc cgccatgccc gggattaaca tgggcccggg agctggcaga ccctggccca 480

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atcctaacag tgctaactca attccatact cctcctcatc acctggtacc tatgtgggac 540
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<210> 2118

<211> 748

<212> DNA

<213> Homo sapiens

<400> 2118

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 tacctcctcg gacagaaatt ttatgaataa gcatcagaag ccagtgctaa caggccagcg 180
 gttcaaaaact cggaaaaggg atgaaaaaga gaaattcgaa cccacagtct tcagggatac 240
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 gctgtcgggg attctgctgg gcaaatggca cctgcccgc caccatcctc accaggtctc 660
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<210> 2119

<211> 802

<212> DNA

<213> Homo sapiens

<400> 2119

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actcggtatg ggCggctcct ggaggagctc ctgagggaag ctgggcctga gctcagttct	180
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gacagcggac tctgctttga gttgtggttt cggcggcggc gtgcacgaga ggcatacact	540
ctgcaggcaa cctcaccaga gatcaaactc aagtggacaa gttctattgc ccagctgctg	600
tggagacagg cagcccacaa caaggagctt cgagtgccag canatggtgt ccatgggcat	660
tngggaataa acccttcctg ggacatcaaa gccctttggg gaagccggac ccttgaatgc	720
ccctggttna acttggaaag aagccccaag aaacactttg gacttctttc tggganaatg	780
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<210> 2120

<211> 759

<212> DNA

<213> Homo sapiens

<400> 2120

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gtgtgtctgt ttgtacagta gatggacaga gacattctac tggagatacc aaagtccct	180
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cttcactaat aaagcaagga gtaaataatg ctgaaaaatt tgactatgtc atgcagtttt 420
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 tgacttgtga atcagccagt gtgatggctg cgacactggc taatgggtgg tttctgcccc 660
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<210> 2121

<211> 804

<212> DNA

<213> Homo sapiens

<400> 2121

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 aactgtttat accaaaatct tcctttttga taccagcat tttataagta aaaggagaga 720
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 angaagagga aatttccagg gcct 804

<210> 2122

<211> 802

<212> DNA

<213> Homo sapiens

<400> 2122

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gaattacact attgtactgg agcttatcgg atttcacctg tagatgtaaa tagtagacct    60
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aagtcagggt ctaaagtcac tagtcatatg cttagtagcc atggaggaga gatttttttt   180
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tggaggaaga gttacagact accggattac agtagttcca ttagccagtg ttattgtgaa   300
agaatctctg acagaagaag atgtgttaaa ctgtcaaaaa acaatataca acttagttga   360
tatggaaaga aaaaatgata ctctacctat ttccacagtt ggtacaagag gaaagggcc   420
taaaagagat gaacaatacc gtatcatgtg gaatgaatta gaaacccttg tcagagccca   480
tatcaacaac tcagagaaac atcaaagagt cttggaatgt ctgatggcat gcaggagcaa   540
acccccagaa gaggaagaac gaaagaaacg aggaagaaag agggaagaca aagaggacaa   600
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aaaagggaat cttagagcgt tggaaaagga agaantggct gaagctgana ttataaaaag   720
attcgcttgg atccccagaa ccttccaaac aaaaaacccc cttggttggg aatgggatgn   780
aaccttcccc aagtgggaaa aa                                           802

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<210> 2123

<211> 783

<212> DNA

<213> Homo sapiens

<400> 2123

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gggcgtgccc ctccctcgga cacaacagta gaccttaata gtggaaacat cgatgtgcct 180
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 gccaatgagt atgctggctt tctcatggct ctgggtttga atgggcacct taccaagctg 360
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 gcactgacag agagtcatac ttccttanct gctgggcttg gccctgggnc atggtctgct 720
 ttgggggcat ggcaagcaaa tttggatagg gtatggctgg atcttcaatg ngccctgaac 780
 aag 783

<210> 2124

<211> 722

<212> DNA

<213> Homo sapiens

<400> 2124

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tgtatggtgg gctccaccca ctagatgcc a gtggcacccc ctcccagaga tgacaaacga 660
 aaaatgtctc tagacattgc caaatgtccc cttgtnaacn tncctaatt gagacccac 720
 tg 722

<210> 2125

<211> 820

<212> DNA

<213> Homo sapiens

<400> 2125

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<210> 2126

<211> 623

<212> DNA

<213> Homo sapiens

<400> 2126

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tgggactaca gagacggggt ttcgctcttg tgaccaggct ggaatgcaat ggcgtgatct 180
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gtttattagc accatttatt gaagggatta tcttttctcc attgtgtctt cttggtaccc 540
tcatcaaaaa ttagttgacc catatgtgtt tggatttgnt tctggggtct ctattctgnt 600
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<210> 2127

<211> 804

<212> DNA

<213> Homo sapiens

<400> 2127

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agaagcagat ttacaaatga agagacagtgc tcattctgct tgagggtaat ggtgggtgct 600
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 atgaaagggtt ggatcaaagn tcttaaggac caacctccta atagtgcgga aggtcttcta 720
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<210> 2128

<211> 555

<212> DNA

<213> Homo sapiens

<400> 2128

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 agtgtggcga ggtgntnegg gaccacatca tcagggccct gggccaaggc cttccacccc 540
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<210> 2129

<211> 599

<212> DNA

<213> Homo sapiens

<400> 2129

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 aatccagttt gaaagaaatt ttgatcggca gaaaagtcgc atcctgagtc tcagctggca 180
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 cacagccgag ggaacagtct tccattttca gctggtcct gtgacatcta acagcagnga 540
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<210> 2130

<211> 781

<212> DNA

<213> Homo sapiens

<400> 2130

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<210> 2131

<211> 800

<212> DNA

<213> Homo sapiens

<400> 2131

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<210> 2132

<211> 717

<212> DNA

<213> Homo sapiens

<400> 2132

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gacaccaatg gctcctacac agccaacgac ctggacgaga tggggcaaga cagtgtccgg 480
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aagcaactcc ccgactgcat cgtgggtgag gacggactna tccttacgcc cctggggcgg 660
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<210> 2133

<211> 790

<212> DNA

<213> Homo sapiens

<400> 2133

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ataatgaaga aatgcgaagt ggtggtagtc ctcaggatta agtgtaaagg aaaatatgca 180
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<210> 2134

<211> 454

<212> DNA

<213> Homo sapiens

<400> 2134

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 gtttatgggt cagcccagag acgaaaaatg agaccatttg aaggcttcca gcgcaaagct 180
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 aagctagtga ggcagtacaa cgaggaaggc cgcaaggctg ggccaccccc tgaaaagcgc 420
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<210> 2135

<211> 604

<212> DNA

<213> Homo sapiens

<400> 2135

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<210> 2136

<211> 749

<212> DNA

<213> Homo sapiens

<400> 2136

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<210> 2137

<211> 809

<212> DNA

<213> Homo sapiens

<400> 2137

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gaatgacaca gagatagcct ggtccatctt acagaagagt ggctacctgc ggaccagtaa  360
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atcatgcgag gctgngacaa catgtggagc tactgcattg ttctctcacc cgggggcagg  780
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<210> 2138

<211> 576

<212> DNA

<213> Homo sapiens

<400> 2138

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<210> 2139

<211> 807

<212> DNA

<213> Homo sapiens

<400> 2139

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ataaaaaccc gaataaccca aatgcacatg gcgatttttt aaaaataaat agagcatatg 240
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aggataatca aggtggccag tatgaaagct ggaactatta tcgttatgat tttggtatgt 360
atgatgatga tcctgaaatc ataacattgg aaagaagaga atttgatgct gctgttaatt 420
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tgtcaacttc atacaaactg ctttgctgct ggtattgctg gctgatcact tttttggtca 780

aaaggaggan attgtttgac ttcacan

807

<210> 2140

<211> 643

<212> DNA

<213> Homo sapiens

<400> 2140

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tagcagcagc tctggccagc ctacagcggg aggcagcgga gaccatgcag aaactggagt 180
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gaagccantg catctcctca ggcaggcact actgggaggt ggaagtggga gacangtctg 600
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<210> 2141

<211> 586

<212> DNA

<213> Homo sapiens

<400> 2141

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tcccctgggg accgaaaccc ttcagggaag tcattgcagg gcccttgctt agaaacaatg 180
    
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ggcagtctct ggagagcagc agcctggagg ggtctcacgt gggcgtctat ttctccgcac 240
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 ccgcagggcg aggtgatcac gcggnagggg cgggtggagg tgctgaacga cgaggactgt 540
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<210> 2142

<211> 732

<212> DNA

<213> Homo sapiens

<400> 2142

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<210> 2143

<211> 737

<212> DNA

<213> Homo sapiens

<400> 2143

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cggcaccgta cacgagctca ccagcaatgc catcctcttc ctgcagcagc ttttggactt  180
ccaggagacg gcaggcgcca tgctggcctc ccaagagacc agctcttcgg ccaccagcta  240
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<210> 2144

<211> 751

<212> DNA

<213> Homo sapiens

<400> 2144

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agtggctttc ctgtccgaga tgggaaaatc aaactctcac ctgaggaaga ggagtatctt  180
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actgctgata tatgtggcat gaaacttcct tggttgtatg tgggaatgtg cttttcttca 300
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<210> 2145

<211> 812

<212> DNA

<213> Homo sapiens

<400> 2145

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812

<210> 2146

<211> 817

<212> DNA

<213> Homo sapiens

<400> 2146

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tgatgatgcc ggaggcaggg tctgttggag gagccccaag aagccgttat catgcatctn 780
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<210> 2147

<211> 758

<212> DNA

<213> Homo sapiens

<400> 2147

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<210> 2148

<211> 708

<212> DNA

<213> Homo sapiens

<400> 2148

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 actgcagccg ctgccgcca acctgccgcc agtcacctac atgcacatct acgagacgga 180
 cggcttcagc ctgggcgtgt tcctgctcaa gacggcacg tccatcccgc tgcacgacca 240
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 gccgccgtg cagccccggg agcgagaagc cgtgcggccg ggcggtgctg gttcgcgggc 420
 cgagtacacc gaggnacagc gccctgcat cctcacaccg naccgggaca acctgcacca 480
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ggacgatggc cgggactgcc actattaccg ggtgctggag ccggtcaggc ccaaggaggc 600
ctcagctcgg cctgtgacct gcctcgagag gtgtggctnc tggagacccc acaggccgat 660
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<210> 2149

<211> 803

<212> DNA

<213> Homo sapiens

<400> 2149

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ggaacacagt gagcgagcag ccagctttct ccctgtctct gaagcccaca gtccctgacc 180
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gttccacct tctacagctg gangcgaaat ctctcatgtt gtcccttcga ggatcaaagt 720
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acctgtgcc ccacaatcat tnc 803

<210> 2150

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2150

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gttcctctgc caaagatgtt gcaaagcagc tgaaggagca gcagatgggtg atgagaggcc 180
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cccaagtgtc catgtaactt ttggtttaac ctttgcacct ttctcagtgc tgnatgcggc 720
tgcaagccgc tnacctgttt cccacaaagg gaatttctta ctctggttgg aagcncaaac 780
acttgaatgg ctacgtttat tttgg 805

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<210> 2151

<211> 807

<212> DNA

<213> Homo sapiens

<400> 2151

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tagactcctt gaggcagttg tcaatgaagt tcttagagaa aggggagctt gctaacttca 180
gattccagaa ggatttctta agacctttg aacatataat gaaacggaac aggtcttcaa 240
caattcgaga tatggttgta cggtgtatag cacagatggg taatttcaa gctgctaaca 300
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aaagcatagt ggaacttgca ttccaaacaa ccgggcacat tgtcaccctt gtatttgaaa 420
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cgtgcaatgc agctttccca gacacaagta tggaagcaat tcgacttatt cgccattgtg 540
caaaatatgt gtctgataga cctcaggctt tcaaggaata cacaagcgat gatatgaacg 600
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gnatcatcaa tagatgcaaa ttagaatgta agaaccagg ggtttaacag taatggtttg 720
aaataatgaa aacttatgnn cacctttatg agaaacactg gtggcaggat ttaatttaan 780
aattggtttc agaatctttg gacnata 807

<210> 2152

<211> 808

<212> DNA

<213> Homo sapiens

<400> 2152

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aaggggagct gcttttttca ttattgctgt gatctgttta ttgctttttg acaatgatga 180
tctcatggct aaaatggctg aacaccctga aggacatcat gacagtgtc taactcatat 240
gctttacaca gccattgcct tcttaggtgt ggcagatcac aagggtggag tattattgct 300
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tattagtgtc ctcttttttg gaaatttttg gacacatnca ataacagacc agcttcgggc 660
tatgaacaaa gcagcacacc aggagagcac tgaacaccgt cctgtctgga ggagtggtag 720
tgaagtgtta tattcttcat tntgnctgcc aatatcttat catctccctc ttaanagagg 780
accaaaaagg accccttaat tggatatt 808

<210> 2153

<211> 803

<212> DNA

<213> Homo sapiens

<400> 2153

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agatgccaaag gggaaactta gaagttgttc atcatcgagc cctggtttta gctcagattc   180
ggaagtggtt ggacaaactt atgtttaaag aggcatttga atgcatgaga aagctgagaa   240
tcaatctcaa tctgatttat gatcataacc ctaagggtgtt tcttggaat gtggaaacct   300
tcattaaaca gatagattct gtgaatcata ttaacttggt ttttacagag ttgaaagaag   360
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tatatgatca ttctcttggc acctatgact ttgatttggc cctcatggta nctganaagt   720
acagaaggat cccaaaagaa tatcttccat ttcttaatac acttaagaaa atggaaacta   780
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<210> 2154

<211> 792

<212> DNA

<213> Homo sapiens

<400> 2154

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ggctgccccg accccagccc cactccgggc ctccgtgtct ctccgtgtgat cgcactgaca 120
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 aanaataacc aaaactatcc agaatggcag ggaattgntt gagtcttccc tttgtggaga 720
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 aaaagaggaa na 792

<210> 2155

<211> 839

<212> DNA

<213> Homo sapiens

<400> 2155

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 ggagctctgc ggccactggc tgcggccggc tctgcacacc aagaaacaga tcctggagct 180
 gctggtgctg gagcagttcc tgagtgtgct gcctccgcac ctccctgggc gcctgcaggg 240
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 cagaacccca gaccaaggan gaatttaaac aagaagacc aaaggggctt gcctggccac 780
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<210> 2156

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2156

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 aggtgagagc tgagcttgag cgggtggcgga aagcagcgtc tgaatatgag aaagaaatca 180
 caagtctgca aaacagtttt cagcttagat gtcaacagtg tgaggaccag cagagagaag 240
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 ccgaatgcca ttctctaaaa agggaaaatg ttttgctatc atcagaactg caacggcaag 360
 aaaaagaatt gcacaattct cagaagcaga gtttagagct taccagtgat ctcagcatcc 420
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 gcctattcct ggctttcctg ntttggtgtt tcgggtccatt ggtggtagag aaagaaaccc 780
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<210> 2157

<211> 840

<212> DNA

<213> Homo sapiens

<400> 2157

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atttaatctc caaagaacca aagccttttg tatttgaggg aaaagtacgt ggtcctattg  180
ttgttcctac ggcaggcgag gaaacatctg ggaattctgg caatttaaga aaagttgtaa  240
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gaagtctgtc ccagaatatt cagangtggc ttatcccgat tatttggtca cattccgcct  780
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<210> 2158

<211> 784

<212> DNA

<213> Homo sapiens

<400> 2158

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aggatttcat atccagtga tataacatcg atccaagaag cagaagaata ttttaagtggg  180
gaattatata aagacctcat cttgtattct agtgtgtcag tattgggact atttagtcca  240

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accatgaaaa cagcaaaaga agattttagt gaagcaggaa actacctaaa aggatatgtt 300
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 ggaatcttga gggcatatct tgatcctctg cctncccttc ctcttcttgn tttggtgaat 720
 ctgcattcag gtggccaagt atttgcatct ncttcagacc aggctataat tgaagaaaac 780
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<210> 2159

<211> 841

<212> DNA

<213> Homo sapiens

<400> 2159

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ggaggtgaac angggcaacc tgtcacatgg gcgaacaaa actgttggga atcaaagagc 780
 ttttcaaacc tgcctacggg gatgccatgg tgtgtcccc aagggangtt ccagtgttct 840
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<210> 2160

<211> 839

<212> DNA

<213> Homo sapiens

<400> 2160

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 aacaggacaa aatagttgta caggttatat gtggcatagc ataaccacag taagaacaga 180
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 ttttggcaga tgagctttca gctgaggcct gatggaaatt gagataacct gcaaagacat 780
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<210> 2161

<211> 841

<212> DNA

<213> Homo sapiens

<400> 2161

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ctcctcctgg actcccccca cctccaccaa ttcttacacc cccacctgtg aatctcaggc 180
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ctacaaagaa gacttggttt gataaaccaa attttaatag acaaacagc ccaggctttc 660
agaagaaggt tcaatttgga aatgaaaata ccaagcttga acttagaaaa gttcctccag 720
aattaaata tatcaagcaa acttaatgaa cattttagtc gatttggac cttggntaac 780
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a 841

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<210> 2162

<211> 756

<212> DNA

<213> Homo sapiens

<400> 2162

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cttctctggg ctcggtgctt cggcagcccc ccttttttaa ctccaggtgt tccttggggc 360
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<210> 2163

<211> 841

<212> DNA

<213> Homo sapiens

<400> 2163

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841

<210> 2164

<211> 796

<212> DNA

<213> Homo sapiens

<400> 2164

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796

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<211> 743

<212> DNA

<213> Homo sapiens

<400> 2165

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 ggctgaagag gcctgggccc agatggagga gtaaccagga aaatcactgc cggctagtcc 180
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 gctaattttt gcatttttag tagagatggg gtttcacat gttggccagg ctggtctcga 660
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<210> 2166

<211> 841

<212> DNA

<213> Homo sapiens

<400> 2166

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<210> 2167

<211> 826

<212> DNA

<213> Homo sapiens

<400> 2167

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<210> 2168

<211> 806

<212> DNA

<213> Homo sapiens

<400> 2168

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<210> 2169

<211> 530

<212> DNA

<213> Homo sapiens

<400> 2169

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caggatgcct gggaaccgt atagcatcaa tgagccaggc atcgggccgc tgatgaggga 180
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 ggggctgctg ggcgatgcca cagaggagtt cattgagtcc ctggactcta ctacagatga 420
 agaagaagat gaagaagaag tgtataaaat ggctgggtgtg atggcccant gtgggggcct 480
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<210> 2170

<211> 836

<212> DNA

<213> Homo sapiens

<400> 2170

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 tttgaattta atcaggcatt gggaagacca gaaaaaattc acaacaaatt agaatttccc 240
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 gaatttgcct caagtaaacc tgtttgcaact tctcctgttg acgatattga cgctagtacc 480
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<210> 2171

<211> 620

<212> DNA

<213> Homo sapiens

<400> 2171

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gtgcctcctg agagaagctg ctgcgcaggc ccctgccatg gctccagttg gccgactgag   180
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tctctgtctg ctcaacagtc agattgcctc ggtctggcat ggtaccctct cgaagctgct   540
gggaagcctg tatgctctgg gcatcccca ggcctncaag gagctgcagt cgggtggagca   600
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<210> 2172

<211> 656

<212> DNA

<213> Homo sapiens

<400> 2172

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aagcctcagt tctttgcctt ccgctggctg aactgctgc tgtcccagga gttcttgctg   180
cctgacgtca tccgcactct ggactccctc ttccgccgatg acaaccgctt tgacttcctc   240
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aaagccaagg agctccaaga ctcaaagtag cccggcggca agaggccac gttcggggga 420
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 gccgtgctcc ttctgccgcc acgccagct cccacctgc cctgcactct gcctctttgc 600
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<210> 2173

<211> 683

<212> DNA

<213> Homo sapiens

<400> 2173

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 cagatggtga tgagaggcca ccgagagacc tccatggtcc atgaactcaa ccggtacatc 180
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 ggaatggtat aggattgncc ccaaagtgtc catgtaactt ttggtttaac ctttgcacct 660
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<210> 2174

<211> 725

<212> DNA

<213> Homo sapiens

<400> 2174

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gatggctgca gacaggcctg cagatcaggg agcagagaaa catgaaggca caggtcagtc  180
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aacctaccaa gcttgagaaa gctttgcata ttcttgctgg cctaanaaaa aaatgatttc  660
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cnccc                                           725

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<210> 2175

<211> 713

<212> DNA

<213> Homo sapiens

<400> 2175

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ccttataaat gcaatgaatg tgggaattcc ttccgcaatc actcacatct cactgaacac  360
canagaattc aactggaga gaaaccttat aaatgcaata ggtgtgggaa ggcattcaat  420

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cagaatacac accattattca tcatcagaga attcacactg gtgagaagcc ttacatatgc 480
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<210> 2176

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2176

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<210> 2177

<211> 616

<212> DNA

<213> Homo sapiens

<400> 2177

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<210> 2178

<211> 560

<212> DNA

<213> Homo sapiens

<400> 2178

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<210> 2179

<211> 854

<212> DNA

<213> Homo sapiens

<400> 2179

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<210> 2180

<211> 706

<212> DNA

<213> Homo sapiens

<400> 2180

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<212> DNA

<213> Homo sapiens

<400> 2181

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<210> 2182

<211> 866

<212> DNA

<213> Homo sapiens

<400> 2182

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<210> 2183

<211> 865

<212> DNA

<213> Homo sapiens

<400> 2183

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<210> 2184

<211> 878

<212> DNA

<213> Homo sapiens

<400> 2184

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<210> 2185

<211> 760

<212> DNA

<213> Homo sapiens

<400> 2185

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<210> 2186

<211> 809

<212> DNA

<213> Homo sapiens

<400> 2186

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<210> 2187

<211> 831

<212> DNA

<213> Homo sapiens

<400> 2187

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<210> 2188

<211> 896

<212> DNA

<213> Homo sapiens

<400> 2188

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<210> 2189

<211> 895

<212> DNA

<213> Homo sapiens

<400> 2189

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<210> 2190

<211> 906

<212> DNA

<213> Homo sapiens

<400> 2190

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<210> 2191

<211> 681

<212> DNA

<213> Homo sapiens

<400> 2191

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<210> 2192

<211> 871

<212> DNA

<213> Homo sapiens

<400> 2192

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<210> 2193

<211> 819

<212> DNA

<213> Homo sapiens

<400> 2193

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<210> 2194

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2194

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<210> 2195

<211> 698

<212> DNA

<213> Homo sapiens

<400> 2195

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<210> 2196

<211> 845

<212> DNA

<213> Homo sapiens

<400> 2196

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gatttttttg agtatttcac ttttgcatta atcccatgg cttgncattg gggtaccta 780
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<210> 2197

<211> 913

<212> DNA

<213> Homo sapiens

<400> 2197

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<210> 2198

<211> 146

<212> DNA

<213> Homo sapiens

<400> 2198

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<210> 2199

<211> 808

<212> DNA

<213> Homo sapiens

<400> 2199

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<210> 2200

<211> 827

<212> DNA

<213> Homo sapiens

<400> 2200

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tactacactg catgttgagc gaccataagc aggggtgtgt caggcttcat cgactctgaa  300
caaggtgtct ttgaagcccc tactgttgca ttttcttccc ttgagaagaa atgtgaggtt  360
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atgactagca caaacttcac aggcctgagc tgcagaacca acaagactct caacatctac  480
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ttaatcactg aagtgacaac tgataccttt tgggaagtag tccttcaaaa acagggacgt  780
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<210> 2201

<211> 801

<212> DNA

<213> Homo sapiens

<400> 2201

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cctgagtgca caagtggccc agtacgacat ctattcgatg atgggtgggga ctgtcgtggt 180
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 tggcaaggac nggcctggct tgtgatatcc tggaacgagg acaaaaggcc acggaagccc 780
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<210> 2202

<211> 852

<212> DNA

<213> Homo sapiens

<400> 2202

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 atgaggctca gtcaagtaat caacgtaaga gagctaataa gcacaagtgg gtaccactcc 180
 acttagatgt tgtaagatca gagagtcaag aaagacctgg atcccggaac agctcaagat 240
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 gtaatatccg aggttccttt agaggtcgag gaagaggccg aggacgggga agaggacgag 420
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 cactacaaac cttaatctca tcttaaagca cttgaaggat acacagaata gaaattgtgg 780
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<210> 2203

<211> 890

<212> DNA

<213> Homo sapiens

<400> 2203

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 cgcttgactt cattcggaac ttgtgccaga agagacatgt ttgtatccag tcattctctgg 180
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 aaaatttgaa ggtactgacg gttaaggta atatttctga tggagtgaag gatgaattct 360
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 acagaactta ctttgctgac ctgataatga agaattattt tgcaccctgg atgtggttac 840
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<210> 2204

<211> 827

<212> DNA

<213> Homo sapiens

<400> 2204

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ttgaaggacc acttgaagga gattcgacga tgccgacggc tcatcgtgat tggctgtgga  180
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ccctgaaaat taaagagata cctacatgcc tcagaaggca tncctgctggg gaactgaagc  780
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<210> 2205

<211> 787

<212> DNA

<213> Homo sapiens

<400> 2205

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gaccctcatg tggacatcat tcgccgtgga gactttttct accacagcga aaatcccaag  180

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tatccagagg tgggagactt gcgtgtctcc ttttctatg ctggactgag cggcgatgac 240
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 acgggtgcca nccaaaaaag ttggagtga aagaccctgg caccgcgcc gacacctgcg 720
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 gagcccc 787

<210> 2206

<211> 876

<212> DNA

<213> Homo sapiens

<400> 2206

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tgctctgcc acaatatgga gtacctggtt ggtgttagca tcaaatgag cagtttcaac 720
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 gaactagaaa gtttggccaa gattggcatt ctggaatggg cttcaatggc caacttaant 840
 aaaatgggaa cctattantg ggctttcttt tcanaa 876

<210> 2207

<211> 762

<212> DNA

<213> Homo sapiens

<400> 2207

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<210> 2208

<211> 772

<212> DNA

<213> Homo sapiens

<400> 2208

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<210> 2209

<211> 866

<212> DNA

<213> Homo sapiens

<400> 2209

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tataaaatca attctcgact acttcagaac attctagatg caggtttcca aatgcctacg 120
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<210> 2210

<211> 684

<212> DNA

<213> Homo sapiens

<400> 2210

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<210> 2211

<211> 648

<212> DNA

<213> Homo sapiens

<400> 2211

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<210> 2212

<211> 836

<212> DNA

<213> Homo sapiens

<400> 2212

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tccccgtgcc cctgcgtccc tgcgctccaa cgtccgcgcg gccaccatga tgcaaactctg 420
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 cctgcaccag cgctcaccgg ctggagcang aggcagtgtc gaatcaaggc atctgtgact 780
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<210> 2213

<211> 835

<212> DNA

<213> Homo sapiens

<400> 2213

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 ttgcgcgcgc tcagaagaac attgaccggg agaccagcca cgtcaccatg gtgggtggccg 180
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 aaggaccttc tggaccctgc acggtggcgg atgctgatcc agcagtttcc ggtacgacaa 720
 cttaccgact acaccagctt gggaaacaat ttctgggggt tcacccttta cccttgcan 780
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<210> 2214

<211> 852

<212> DNA

<213> Homo sapiens

<400> 2214

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ggcccagaac acaacgagta tgccctgggtg tcggcatggc acagttctgg ctccctacctg   180
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tcctggtacc agnagcctga tcaaaagttc ttcttaagcc ggtttcccc anaacttgtc   780
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<210> 2215

<211> 508

<212> DNA

<213> Homo sapiens

<400> 2215

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 accccattga aagaagctct ggaagcatat aggcgggagc agaaaggcaa ganggaggcc 480
 tnanagcaaa agaagaagga caaagaca 508

<210> 2216

<211> 811

<212> DNA

<213> Homo sapiens

<400> 2216

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 gatggggccc atgttggatg ctgctacaag gaaacctatc tggcgacatg aaatcttaga 180
 tgcagatggt atttgttctc caggtgagaa agtagaaaac aaacaagtgc ttgtaaataa 240
 gtccatgccc acagtgactc agattccttt ggaaggaagt aatgtaccac agcaaccaca 300
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 gatatttca aatgctgaag atgcttttct gatcaaatg ctgctgagac agacaaggcg 420
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 ngatgtgtgt gaggacctcg ttcccatgg gtataactac ttggggaaag actatgttac 720
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gaacaatggn gctagataaa tgcatgccccg g

811

<210> 2217

<211> 873

<212> DNA

<213> Homo sapiens

<400> 2217

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gcaactgtgg tgcaaaatga gcagtagtgt gatttcatac caagacttgg tgaagtgttt	180
cacattgatc atccagagtc tacaacgtgg tgatatacag ccatggctcc atagtggaag	240
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tctcagtggg actattccag ttcaaagtct tttggaaatt ggtttggaca aactaaagaa	360
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cattgctcca tcagtagata tacaagaaca ggtttatcgt gtccaaaaac tccaccatat	480
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tttaacacag atctgcataa agtattacaa acaaaatcct cttgatgagc aacacatttt	600
tcagctgcc a gtcagaccaa ctgctgtaaa gaacttatat caaagtgaga agccacagaa	660
atgggagagt ggaaatatat agtggtcaaa agaagattaa gacagtttgg caactgagtg	720
acagctcacc catagaccat ctgaattttc acaaacctga tttttcggaa ttaacactta	780
acggtagcct ggaagaaagg atattcttta ctaacatggg tacctgcanc aagtgcattt	840
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<210> 2218

<211> 746

<212> DNA

<213> Homo sapiens

<400> 2218

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gcgttaaagg gaaagggtcg ttgccactct cggcccacgg catcgtggtc gcctggctca 180
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gccaaactgga gaacagcctg agagagacct gggagttgga ggagttcang gaagggatag 660
aggaagagga tcaagaggaa gataagaaca ttgntgntga tgacatcaca gaacagaaac 720
cagagcctta ggatgatggg aaaagt 746
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<210> 2219

<211> 768

<212> DNA

<213> Homo sapiens

<400> 2219

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aagcccccca ctccggaggg agttcggctt ctccagcagg gcggctgcag cgcgctgccc 300
cgacccccgc tgcggccccct cacgccgcta gtgctccac cccgccctcc tggcaccgcc 360
cctgcgtccg ttcgcccag gaagccaacc gcgacttcat tgatgcaccc attccagtgg 420
tgtaacgggt gtttctgtgg cctgggactg gttagcacca acaagtcctg ctcgatgcc 480
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cccatcagtt tccaagacct tccgctcaac atctatatgg tcatctttgg cacaggcatc 540
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 ggcacagagt gatcgatacg gatataagga ggtgggtgctt aaaggatgatg ccaagaagtt 660
 acaattatat gggcagacct gcgcaatctg tctggaagac ttcaagggga aggatgaatt 720
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<210> 2220

<211> 754

<212> DNA

<213> Homo sapiens

<400> 2220

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 tgccaaattt ggtagtcct tggatcagag cctgttggtg gaggtaggga ggaaatatgt 180
 aaagaaaaac aggaagatac ctgcactaat cattcagact tcattgagct ctgcaaactt 240
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 ccacttgaga taggttggtc atcgtgcaga aggccccagg acctcagcac acacagccn 600
 ctcttggtct gagtaggcat catgtggggg ccagatctgc ctgctggttc catgggttac 660
 atttactgng ctgnatctca gatgttggtg tctggaagtt tattcttaan agactgtacc 720
 caactgggct ggattaatgg gaagttgcag ttcg 754

<210> 2221

<211> 854

<212> DNA

<213> Homo sapiens

<400> 2221

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gcatacttag ataaaagtcc ccaattcaga aatattgaag gagcagtatt gatcttttta  180
ccaggacttg ctcatattca gcagttgtat gatcttctat caaatgatag aagattttat  240
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aagtaccatg aaagcagtca gatgagttct ttggtggaga cgtttgtcag taaagccagt  480
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gccatattgg ctgc                                                    854

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<210> 2222

<211> 796

<212> DNA

<213> Homo sapiens

<400> 2222

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attgctctaa actgtatggt gaagttggcc aagggcaggc cccatcttag ccagtcagta  180
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cattgcctgg cagccattgc catgcaactg ccggtgctgg gtgatgggat gcttggtgac 300
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 gctgaatctt taaaattcta tcacaaaggg attgcttctt aacagcagct agtacaccac 720
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 tctctnaact tatctg 796

<210> 2223

<211> 702

<212> DNA

<213> Homo sapiens

<400> 2223

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<210> 2224

<211> 871

<212> DNA

<213> Homo sapiens

<400> 2224

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tgagcattac accaaacatt aaggaagaag gagcgatgaa agaggattct ggaatgcaag 240
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nggaccaat cctgacaacg agtcantgt t 871
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<210> 2225

<211> 706

<212> DNA

<213> Homo sapiens

<400> 2225

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<210> 2226

<211> 806

<212> DNA

<213> Homo sapiens

<400> 2226

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ttcatggcat tgaagccaag tcctacagtg tgggtgccag tgggagctct tncaggaaaa 660
 gacatcgctc ccgggaaagg tcacctagcc ggtcccggga gaacagcagg aggcaccggg 720
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<210> 2227

<211> 814

<212> DNA

<213> Homo sapiens

<400> 2227

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 ttgtgggact cactgagaag actgttttgg ttgccttggga tactgtttcc tgtttggaac 180
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 atctaaagca acaggtacaa cagctacaag tcttggtgct acaggcccat ggaggtaccc 720
 tgnctggatc tataactgng gaaccatcag agaatctaca atccctgatg gagaaagaat 780
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<210> 2228

<211> 772

<212> DNA

<213> Homo sapiens

<400> 2228

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agagaagcaa gcgttgaaaa ctcaactgaa gcaacttgag acacagaaca ataatttgca	180
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<210> 2229

<211> 773

<212> DNA

<213> Homo sapiens

<400> 2229

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<211> 826

<212> DNA

<213> Homo sapiens

<400> 2230

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<210> 2231

<211> 804

<212> DNA

<213> Homo sapiens

<400> 2231

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<210> 2232

<211> 743

<212> DNA

<213> Homo sapiens

<400> 2232

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<210> 2233

<211> 829

<212> DNA

<213> Homo sapiens

<400> 2233

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<210> 2234

<211> 853

<212> DNA

<213> Homo sapiens

<400> 2234

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<210> 2235

<211> 853

<212> DNA

<213> Homo sapiens

<400> 2235

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cactattaaa gaagagaaag gacagtgcta cttgtatatg aaggttatag aacgagcggc 240
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<210> 2236

<211> 850

<212> DNA

<213> Homo sapiens

<400> 2236

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agcactgggtg aagaagagct gcctggcgga gtcctccgg ctttacacca aaagcagcag 180
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<210> 2237

<211> 839

<212> DNA

<213> Homo sapiens

<400> 2237

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<210> 2238

<211> 822

<212> DNA

<213> Homo sapiens

<400> 2238

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 aataatcacc aacccccatc ccgacacaca cacacagtcc aaagcaaaag tcagtgtgta 180
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<210> 2239

<211> 854

<212> DNA

<213> Homo sapiens

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<210> 2240

<211> 755

<212> DNA

<213> Homo sapiens

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<210> 2241

<211> 814

<212> DNA

<213> Homo sapiens

<400> 2241

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<210> 2242

<211> 845

<212> DNA

<213> Homo sapiens

<400> 2242

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<210> 2243

<211> 843

<212> DNA

<213> Homo sapiens

<400> 2243

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<210> 2244

<211> 804

<212> DNA

<213> Homo sapiens

<400> 2244

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<210> 2245

<211> 880

<212> DNA

<213> Homo sapiens

<400> 2245

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<210> 2246

<211> 853

<212> DNA

<213> Homo sapiens

<400> 2246

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<210> 2247

<211> 750

<212> DNA

<213> Homo sapiens

<400> 2247

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<210> 2248

<211> 730

<212> DNA

<213> Homo sapiens

<400> 2248

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 gaaagatgaa ccaaaaactg agcaaacgga aaaagctgaa naggagactc ggatggaaaa 660
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<210> 2249

<211> 660

<212> DNA

<213> Homo sapiens

<400> 2249

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<210> 2250

<211> 843

<212> DNA

<213> Homo sapiens

<400> 2250

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<210> 2251

<211> 774

<212> DNA

<213> Homo sapiens

<400> 2251

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 ggtggagtgc agcaacaaag acctccattc tgggggtgtac gggggctcgg tgcattgaggc 240
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 ccccggcatt aacgaggccg tggccgccgt cacggaagag gagcacaagc tgtacgacga 360
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<210> 2252

<211> 819

<212> DNA

<213> Homo sapiens

<400> 2252

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<210> 2253

<211> 680

<212> DNA

<213> Homo sapiens

<400> 2253

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<210> 2254

<211> 699

<212> DNA

<213> Homo sapiens

<400> 2254

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<210> 2255

<211> 739

<212> DNA

<213> Homo sapiens

<400> 2255

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<210> 2256

<211> 785

<212> DNA

<213> Homo sapiens

<400> 2256

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<210> 2257

<211> 863

<212> DNA

<213> Homo sapiens

<400> 2257

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<210> 2258

<211> 781

<212> DNA

<213> Homo sapiens

<400> 2258

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<210> 2259

<211> 775

<212> DNA

<213> Homo sapiens

<400> 2259

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<210> 2260

<211> 769

<212> DNA

<213> Homo sapiens

<400> 2260

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<210> 2261

<211> 858

<212> DNA

<213> Homo sapiens

<400> 2261

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gattataata ccctacagga agcactaagt aatatggatg attatgacaa aacctgcttg 360
gagtctgcat tagttgggtg ttgcaatata gttcagcaag aatgggggtg tgcaattcct 420
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tgccaggttg tcctggtgac agacggctgt ctggcattg gtagagggtc actgcgacat 480
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 ccaggccag aaccttttgg tgganatgaa gaaattgatc ctatncctta aagcatttac 840
 cccagatttg ggaaatan 858

<210> 2262

<211> 833

<212> DNA

<213> Homo sapiens

<400> 2262

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 gcacaaatag aggaaccgga tcctccagaa atggaaactt ctcttgattc ttctgagatg 180
 gcaaaagatc tctcttcaaa aacagcttta tcttccaccg agtcgtgtac catgaaaggt 240
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 ccagaagaag ttccaaagag tactctagag tcagaaaagc ctggctctcc tgaggcagct 420
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 gtggtagaat gccagagtac aagtactgtt ggtggccagt ctgtgaaaaa agtagacct 540
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 cagacctctg gcatagagga gccttctgag acaaagggtt ctatgcaaaa aagcaaattc 660
 aaatataagt tggttcctga agaagaaacc ctgcctcaga aaatacagag ataacctctg 720
 aaaggcagaa agagggcac aaattaacaa tcaggatata aagtcggaaa aagaaccgga 780
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<210> 2263

<211> 812

<212> DNA

<213> Homo sapiens

<400> 2263

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tggcgggcgg gcgcacggtc tcctgtacgc cctagactag gggccgcat ctccatggcc  180
acggccgtga gccggccctg cgccggcagg tcgcgggaca tactgtggcg cgttttgggc  240
tggaggatag ttgcaagtat tgttttgtca gtgctatttc taccatctg caccacagta  300
tttataattt tcagcaggat tgatttgttt catcctatac agtggctgtc tgattctttc  360
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atgaatatca tcttttttct ctactgactg gagcatttat gggctatagc tatagcctcc  720
tggatttttg taacaacatg aactatcttn catttcccat catacagcaa tacaagtctt  780
gcgtttaaga aancctctgt cttatagtta ac                                     812

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<210> 2264

<211> 757

<212> DNA

<213> Homo sapiens

<400> 2264

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gttgccctaga atgcggtgag cgctgtgcac gggctgctga cctccgagcg cacaggcgca   60

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 tgcgccacca gcgcacacac acgggcgaga agccgtacgc atgtggcgac tgtggacgct 660
 gcttcagcga gagttcacgc tgctgcgcca tcggcgcagc catcagggcg aagcggncac 720
 atgcgtgcgc cactttgcgg gaaagggttt cgggnan 757

<210> 2265

<211> 851

<212> DNA

<213> Homo sapiens

<400> 2265

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 cagaaccacg ctggtaaaaa cagatgctgc acaaagtga cttgcccgtt ttcacgcac 180
 tttacgtgca cgaattctac ctctactctc gacctgggac tcaccgatgc gtgaggaagg 240
 actgaaaagc aaaagaacta tggactggcc ttttggcatg atcagggtgc taatataaag 300
 aagtgcattga ataagaaaat atatgatatg agtgatgggt aatactgact gtcaacttga 360
 ttggattgaa ggatgcaaag tattgatcct ggggtgtgtc gtgagggtgt tgccaaagga 420
 gattaacatt tgagtcagtg ggctgggaaa gttcgaccca ctgttaatct agatggacac 480
 catctaata gatgccagt cagctagaaa tgtaaagcag acagaaaaat gcgaaaagag 540
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acatcagact ccaagttctt cagtttggga cttggactgg ctctccttgg tcctcagctt 660
gaagactgcc cattgtggga cttgtgatca tgtgctcagg aagtatgtgt ggacttttgn 720
catgggttga atagtgtccc tcgcaaagtt cacgtccaca tggaacccgt gaatgtgacc 780
cgntgtggnt tgaatgcttc tggcaaaact taatcccat gcaccattcc aangaaatag 840
ggtctttagg a 851

<210> 2266

<211> 815

<212> DNA

<213> Homo sapiens

<400> 2266

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gagaagcggc ggggagacgc cggctgccag catgtcgtg cctccggaga aagcctccga 120
gctgaagcag ctcatccacc agcagctgag caagatggat gtccatggta gaataagaga 180
aatccttgct gagactatac gggaagaatt ggcacctgat caacagcatt tatcaacaga 240
agatttgatc aaagccctta gacgtcgagg aatcattgac gatgtgatga aagaacttaa 300
ttttgttact gacagtgttg agcaagaact cccttcctct ccaaacaac ctatttgttt 360
tgatagacaa tcgacattaa aaaaaactaa tattgatcca acacggaggt atctttacct 420
tcaggttttg ggtggaaaag ctttcttggga acatctgcaa gaacctgagc ctttacctgg 480
acaagtttgt tcaacgttta ctttatgttt acattatcga aaccaacgtt ttcgttctaa 540
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tccaattcat atgggctaata caaacagac atatttggtg agacgacttt agtagcatca 720
tattttctgg aatggcgatc ggntttgggc tcanaaaatg gagtgccagt ctgactgttg 780
acttatgggt gtaggcncag aatcaaaagt ttctg 815

<210> 2267

<211> 790

<212> DNA

<213> Homo sapiens

<400> 2267

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ggtgcgctcc aattcacggt ggtttccaag cgcatcttgg aggagaaaac acatgagtgt  180
gtggtcaggg ttctctgccg acagacctac cgtggggaag aaagagaagt tctgaagatg  240
gatcatggcc gtgactgcat gtcaaggaga atctccatga tgacacggag gcctacgtcg  300
agatagagta aatatggtcc aattaaaagg tgacccgaca atcaaccctt gaaaaaggcg  360
gtcataaaac cccaggaga cgaagatgat ggcacgtcgt gaccccaaac ctggggcaaa  420
gagactggtg agagcccaga ccctccagaa gcagcggagg gcccagttg ggccaagggc  480
tccccgccc gatgaagaag atcccaggct caagtgcaaa aactgtgagg cctttggcca  540
cacggccaga agtaccaggt gcccctgaa gtgctggaag gcagccctgg ttccaccgaa  600
ctttggggaa aaggaaggga aggaaaacct gaaacatgg aagccccagg ttgaagcgaa  660
ccctggccct tgaacaagga taaggagag aaggaagaga gaccaaggcc acaagacccg  720
canaggaagg ctcttcttca catattttnc gggaaacctt cagagaacct gttgccnaat  780
caaaaaggat                                     790

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<210> 2268

<211> 694

<212> DNA

<213> Homo sapiens

<400> 2268

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tctctttaat gatggaggga agcaggcaga cgcgagtgtc tcggccatac aagatcagcg   60
aatcatcaaa ggtataccgc tgggccgacc actcaagcac ggtgctgcag cggctgaacg  120
agcagcgtct ccgcgggctc ttctgcgacg tcgtcctggt ggccgatgag cagcgtgtgc  180
cagcccatcg caacctgctg gccgtgtgca gcgactactt caactccatg ttcaccatcg  240

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gcatgcggga agctttccag aaggaggtgg agctgatcgg cgcctcctac attgggctca 300
 aggccgtggt ggacttcctg tacggcgggg agctggtgct ggatggcggc aacattgact 360
 acgtcctgga gacggctcac ctgctgcaga tctggacggt ggtagacttc tgctgtgagt 420
 acctggagca ggaggtgagc gaggacaact acctgtacct gcaggagctg gcctccatct 480
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 tgtcctttac gcccgaacttc ctgcagaacg tctccatgca gaagctgtgt gtctacctga 600
 gcagcancga ggtgcagcgg gagtgtgagc acgaccttct gcangccgcc ctgcantggc 660
 tgacgcaaca gcccgagcgc gagggccacg cccg 694

<210> 2269

<211> 776

<212> DNA

<213> Homo sapiens

<400> 2269

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 gctcttcggc catggttttc tcaaacaatg atgaaggcct tattaacaaa aagttaccca 120
 aagaacttct gttaagaata ttttccttct tggatatagt aactttgtgc cgatgtgcac 180
 agatttccaa ggcttggaac atcttagccc tggatggaag caactggcaa agaataagatc 240
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 gtggattcct gaggaagctc agcttgcgag gctgcattgg tgttggggat tcctccttga 360
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 tcactgacag cacgtgttat agccttagca gattctgttc caagctgaaa catctggatc 480
 tgacctcctg tgtgtctatt acaaacagct ccttgaaggg gatcagtgag ggctgccgaa 540
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 tggatgcgagg ttgtcgaggc ctgaaagccc tgcccctgag gggctgcaca cagttagaag 660
 atgaagctct gaaacacatt cagaattact ggcatgagct tgtgagcctc aacttgcagt 720
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<210> 2270

<211> 796

<212> DNA

<213> Homo sapiens

<400> 2270

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ccccatctcc gccgctcccc gcagcctccg ccgagcgcca tggctcctag gaagggcagt   120
agtcgggtgg ccaagaccaa ctcttacgg aggcggaagc tcgcctcctt tctgaaagac   180
ttcgaccgtg aagtggaaat acgaatcaag caaattgagt cagacaggca gaacctcctc   240
aaggaggtgg ataacctcta caacatcgag atcctgcggc tccccaaggc tctgcgcgag   300
atgaactggc ttgactactt cgcccttgga ggaaacaaac aggccctgga agaggcggca   360
acagctgacc tggatatcac cgaaataaac aaactaacag cagaagctat tcagacaccc   420
ctgaaatctg ccaaaacacg aaaggtaata caggtagatg aaatgatagt ggaagaggaa   480
gaagaagaag aaaatgaacg taagaatctt caaactgcaa gagtcaaaag gtgtcctcca   540
tccaagaaga gaactcagtc catacaagga aaaggaaaag ggaaaaggtc aagccgtgct   600
aacactgtta ccccgccgtt gggccgattg gaggtgtcca tggtaaacc aactccaggc   660
ctgacacca ggtttgactc aagggtcttc aagacccttg gcctgcgtac tccagcagca   720
ggagancgga ttacaacat ctttaaggga tggcaagccc ttttgcttga cagcnaaaga   780
gatcttctct taattg                                     796
    
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<210> 2271

<211> 826

<212> DNA

<213> Homo sapiens

<400> 2271

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attccgctac tgcgcaaaga tgggtggagga ggagaacatc cgcgtgggtc gttgtggcgg   60
cagcgagttg aacttttagga gagctgtgtt ctctgcagat tctaagtata tcttctgtgt   120
    
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ctctggagac tttgttaaag ttacagcac agttacagaa gagtgtgtac acatactgca 180
 tggacacaga aatctggtga ctggaatcca gcttaacccc aacaaccatc tacagctgta 240
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 tgtctttgtt atagtgaata aagaaaaacc agatatattt cagctggttt cagtgaaact 420
 gccaaaatcc tcaagccagg aagtagaagc caaggagctg tcctttgttt tggattacat 480
 aaaccagtca cccaagtgca ttgcctttgg aaacgaggga gtatatgttg ctgcagtagc 540
 ggaattttac ttgtctgttt attttttcaa aaagaaaaca acatcaaggt ttactttatc 600
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 ggaagactgc atcgcatctg ggcacatgga tggcaaaant cgnctttgga ggaaatttta 720
 tgatgataga aatatacgta cccatgttta cattggcacc atgatatggg tatggatttg 780
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<210> 2272

<211> 767

<212> DNA

<213> Homo sapiens

<400> 2272

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 aggggatgag tgtgagcccg agtgggtgta tgccgaggac ccactcttca tcctgtacac 180
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 cattgtggac aaatacaagg tgaccaagtt ctacacagca cccacagcca tccgtctgct 480
 catgaagttt ggagatgagc ctgtcaccaa gcatagccgg gcatccttgc aggtgttagg 540
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ccagcgctgc cccatcgtgg acaccttctg gcaaacagag acaggtggcc acatgttgac 660
tcccccttct ggtgccacac ccatgaaacc cggttctgct actttccatt ctttgngta 720
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<210> 2273

<211> 804

<212> DNA

<213> Homo sapiens

<400> 2273

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cggcggggct gctaccacc agcatcctcc aaagcactga acgcccggcc caggtgaaga 180
aagaaccgaa aaagaagaaa caacagttgt ctgtttgcaa caagctttgc tatgcacttg 240
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ttncaggacc tcaatagctc tacaggtagc ttnacaaaat ggccaacat acacatggga 780
ccacttacac aggggaacnc caaa 804

<210> 2274

<211> 755

<212> DNA

<213> Homo sapiens

<400> 2274

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gccaatggcc gccagttcag cagccaggtc tccattttgt cagcaatgga gctcatctgg 480
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agtgagaatc caagcaaaca tgacagcttc tggaacttgg tgaccatctt ggtgctgcag 660
ggccggctgg atgaagcccg acagatgctc ttcaaggaag cccgatgcc a gncccgcctn 720
tgcangcata tgccgaatca tgggggacct gatga 755
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<210> 2275

<211> 727

<212> DNA

<213> Homo sapiens

<400> 2275

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aacctcctg tggagggtga ccagtacagc acaggtactt ctgcagtgga acccatcaac 180
acattccatg ggatacatca aaacgaggac gaaccattc gtgttagcta ccatcggaat 240
atccactata attcagtggg gaatcctaac aaggccacca ttggtgtggg gctgggcctg 300
ccatcattca aaccagggtt tgcagagcag tctctgatga agaatgcat aaaaacatcg 360
gaggagtcat ggattgaaca gcagatgcta gaagacaaga aacgggccac agactgggag 420
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gccacaaatg aagccatcga ggagcaggtg gctcgggaat cctacctgca gtggttgcgg 480
 gatcaggaga aacaggctcg ccagggtccga ggccccagcc agccccggaa agccagcgcc 540
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 ccgcggcagc ggagttcagc ctcgtcacct gagcaccctg agctgcatgc tgaattgggc 660
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 gccaggt 727

<210> 2276

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2276

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 tgaaggttcg ccagttgggt atggataagt tgtcgtctat tagattggag gatttacctg 360
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 ttgacctggt gatgcttttc atcatctata gcaccaatac tcagaccaag aagtacattg 720
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 ttctctggca ttacttaatt cttaa 805

<210> 2277

<211> 746

<212> DNA

<213> Homo sapiens

<400> 2277

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atthttgaaa cacatgctac tgtaactccg tgcttcaggc attgtacttc tgccgtccat 180
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ctgttgatgt ggagcagaat acatccatta cccactgtct aagagacttc agcaacacag 660
aaacactgtg tagtgaacaa aaatattatt gngaaacatg ctgcancaaa caagaagccc 720
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<210> 2278

<211> 817

<212> DNA

<213> Homo sapiens

<400> 2278

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ttgcaaaacc gcttttaata aaaccgggtt ccaagaagtg tttgatcctc ctcatatga 180
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<210> 2279

<211> 718

<212> DNA

<213> Homo sapiens

<400> 2279

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 gagaggacgg gaggatcggc agcacaggga accatcagaa caggaacaca ggagagctag 480
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 agaagagcgg gagttttata atgccaggcg acgggagcat cgccagagga atgacgttgg 660
 tgggtggccgg cagtgagtct cangagtttg gntccttggg ccttggtggg naccaacc 718

<210> 2280

<211> 741

<212> DNA

<213> Homo sapiens

<400> 2280

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ccacagcaag aagtccaagg ccgagcagag cccagtctcg tccgatgtgg aggtgtcttc   60
cccgaagcgg cagcggctct cagcaagcgc caactccatc tccaatgggg agtatccttg  120
caatcaatgc gacctcaagt tctccaactt tgagagcttc cagaccacc tgaagctgca  180
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ctgcaactgg gacttccgca aggaggctga cctgcaggtg cacgtcaaac acagccacct  540
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ggagctgcag tgccacatac cacacacagc aagaagtata actgtaagtt ctgcacaang  660
gccttcacgc catcatcctg ctggagaagc accttgcggg agaagcactg tgtgttgatg  720
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<210> 2281

<211> 799

<212> DNA

<213> Homo sapiens

<400> 2281

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gagtgggttt cagactttct ctcaggattt ccgctggctt caggttccgg tcaggcgtcg   60
ggacagagcc tgatccaggc ttcggcggcc ggtggcagct ctcgatcagc tctcgcagtc  120

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ggagaggcgg ctaaggaaag gtgccacagc agagacgcga aggagaggcc ctagaacctt 180
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 aatcttgggn taccaccac acccccacaa tttcacaagc attgaatata atcacagcac 720
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 ttcccnngaa aaattcagg 799

<210> 2282

<211> 775

<212> DNA

<213> Homo sapiens

<400> 2282

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 accttgctgt gcgtatacaa actcacaggt cacaaaaacc ctacaaatgt aaggaaatgtg 180
 gaaaaggatt tagatattct gcatacctta atattcacat gggaaccac actggagaca 240
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 aactgcaaa ggatcccttt gaatgtaaga tatgtggaaa atcctttana aattcctcat 540
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ggccctatga atgtaangaa tgtggaaagg cctttgccag atcctctngc cttaatgaac 720
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<210> 2283

<211> 748

<212> DNA

<213> Homo sapiens

<400> 2283

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tgattcactg actgactttg aagctgcac tgccagttac accccaaatg gctttaatcc 120
cctctcgggt ctggttgctt tttgcagttt gggttgtgga ctgagctcct gtgaggggtc 180
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<210> 2284

<211> 874

<212> DNA

<213> Homo sapiens

<400> 2284

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ccaaatgcat atttgggcat tagaaggtct gtcgcactta gtagcagcat catttacaga 180
ggatagattt ggagttgtcc agacgacact accagctatc ctttaacttt tgttgacact 240
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gaaaactgcc atctatcgaa taactactac atttgggtgaa catctgaatg ctgtgcaagc 420
atctgcagaa catcagaaaa gacttcaaca gttcttggag ttcaaagaat agtcaagtaa 480
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tacagaagca ttgatggcag tcgaaatgtc tctagctcat ataacttaat agtaataact 780
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<210> 2285

<211> 807

<212> DNA

<213> Homo sapiens

<400> 2285

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tgctggggat tccattgtaa gcacctataa tcgggaattt tcatgtaaca gctttgacat 180
ttaaacattc tgagtttggt gccagctcag atttgattat attttatatt ggatgggtgt 240
aattcacagc acagttctaa tctcccaaact ctttctgctt tttagaatga agtataaaat 300
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 cattagtttg tactttgaca agtaattatg aattttgggtg cttattttgc aaaggatgct 720
 tttaatgaca aaataataac cctacctaaa gtctaacttc actgntatgg gtcatactct 780
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<210> 2286

<211> 857

<212> DNA

<213> Homo sapiens

<400> 2286

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 tgcctttatt ggcagctggg ttcttctaca agtcccaagt tagggatctg gatatttcct 780
 cattttaata tagngggaat tgctaaaaaa acttattgaa nggtcintgg ggacttggcc 840

tatctatgga atgatgc

857

<210> 2287

<211> 782

<212> DNA

<213> Homo sapiens

<400> 2287

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gaagaagaac ctgcgagccg acaacgcctt catgctgctc acgcaggcgc gactcttcga 60
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caccgcggag ggcttcaccg acattgacct ggacacgctg gtggctgtcc tggagcgcgga 180
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gggccagaac gacacgggct tcagctgcga cggctcanc agcaccttgc gcgtcatggt 720
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aa

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782

<210> 2288

<211> 856

<212> DNA

<213> Homo sapiens

<400> 2288

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 cactgccaaa gcgaaatgaa gcccaactgg gcagattcgg cccatggtga tgaggtccct 780
 atgtcttcgg gattcccatg atcggtccac cgagctnttt agttgnaact tttccaagaa 840
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<210> 2289

<211> 835

<212> DNA

<213> Homo sapiens

<400> 2289

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 ggagccagcc aatggcttcc tggttcgta cctgaggagg aactggtaga gtcagacagc 720
 gacatcaatg ccaacaagga aaactgcttc ggtgctcgac tgggtacca actggggnat 780
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<210> 2290

<211> 819

<212> DNA

<213> Homo sapiens

<400> 2290

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 ccaccagcag cctctgatca tgatgggaac attgtggagc tggcctttca gaccacttgc 720
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<210> 2291

<211> 733

<212> DNA

<213> Homo sapiens

<400> 2291

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tcatttgggt tca 733
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<210> 2292

<211> 845

<212> DNA

<213> Homo sapiens

<400> 2292

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gacatctctg tgcagatgta gaatgggcta gtgctttcta agaactgaaa gatcagtgaa 180
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gaaggggagc atagtactg aggagtagtg tggcattaga tggggctctga gagttacaca 240
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 ccttgcatte tcttctgggc caaaagaata atgattaaat ttaagaatca aacctgctgg 780
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 agtct 845

<210> 2293

<211> 860

<212> DNA

<213> Homo sapiens

<400> 2293

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<210> 2294

<211> 854

<212> DNA

<213> Homo sapiens

<400> 2294

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<210> 2295

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2295

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<210> 2296

<211> 760

<212> DNA

<213> Homo sapiens

<400> 2296

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<210> 2297

<211> 803

<212> DNA

<213> Homo sapiens

<400> 2297

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<210> 2298

<211> 874

<212> DNA

<213> Homo sapiens

<400> 2298

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<210> 2299

<211> 858

<212> DNA

<213> Homo sapiens

<400> 2299

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<210> 2300

<211> 851

<212> DNA

<213> Homo sapiens

<400> 2300

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<210> 2301

<211> 755

<212> DNA

<213> Homo sapiens

<400> 2301

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755

<210> 2302

<211> 807

<212> DNA

<213> Homo sapiens

<400> 2302

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<210> 2303

<211> 802

<212> DNA

<213> Homo sapiens

<400> 2303

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<210> 2304

<211> 584

<212> DNA

<213> Homo sapiens

<400> 2304

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<210> 2305

<211> 803

<212> DNA

<213> Homo sapiens

<400> 2305

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<210> 2306

<211> 822

<212> DNA

<213> Homo sapiens

<400> 2306

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<210> 2307

<211> 868

<212> DNA

<213> Homo sapiens

<400> 2307

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<210> 2308

<211> 844

<212> DNA

<213> Homo sapiens

<400> 2308

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tctt

844

<210> 2309

<211> 721

<212> DNA

<213> Homo sapiens

<400> 2309

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ccccgtctac agagagcagt ggccctggcac agccggagca tggccccaac acagacctgc  600
ttggcaccta ccaaagcct nactggaact gaaaagcttc atcattggca agaagaacca  660
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n                                                                 721

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<210> 2310

<211> 755

<212> DNA

<213> Homo sapiens

<400> 2310

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<210> 2311

<211> 746

<212> DNA

<213> Homo sapiens

<400> 2311

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 gtactcaatg atagatttca gagacagaaa tacctcagcc tccagcagat gcaagaactc 600

tccaacatcc tgaacctcag ctacaaacag gtgaagacct ggttccagaa ccagagaatg 660
 aaatctaaga ggtggcagaa aaacaactgg ccgaagaata ncaatgggtgt gacgcaaaan 720
 gcctnagcac ctacctaccc cagcct 746

<210> 2312

<211> 818

<212> DNA

<213> Homo sapiens

<400> 2312

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 ccaggggaca ggggacaatg gccacacgcc tgtggaggag gaggtcgggg gcatcccagt 180
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 gccagccccg agaccgggnt tgtctgcttg ggcacgggtc ttcgtctcac tttggagacc 720
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<210> 2313

<211> 767

<212> DNA

<213> Homo sapiens

<400> 2313

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cccgacgca atctgcctcg gagacgttga taacgatacg ttaaataaac tgggtggtggg 180
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<210> 2314

<211> 768

<212> DNA

<213> Homo sapiens

<400> 2314

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catccctcat atcctttata aatttcttac acatttcatt cctttgtggg aattgcatct 480
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 tagccattaa agacaatata tttcagtatt tgcattggagt atttgattat atagcacatg 720
 caaattcttt ggaatgacat acaaggnct gcaagancgt attctang 768

<210> 2315

<211> 775

<212> DNA

<213> Homo sapiens

<400> 2315

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 cgatctgtgg gaggagcaca tttcaagttc catccgagat ggggactcct ttgcccagaa 180
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 agtcagcggc aagatgatca cccctgagta cttcagagc gtctgtgtcc gncgtttcag 720
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<210> 2316

<211> 738

<212> DNA

<213> Homo sapiens

<400> 2316

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gccttggatt ataagatttt ctattatgaa ataccgggcc caataaaca gacaacagag  300
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gttactgaag acaaactgat tctgggctgt gaaaatcttc ctnattcttt atgaactcac  720
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<210> 2317

<211> 841

<212> DNA

<213> Homo sapiens

<400> 2317

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 ccctatgaat gtaaaggaat gtggcaagga ctttcacg agagggtccg taccttcac 780
 aggccctcan anggattcaa tacttgggcg aanaagccc ctatgggctt gcaaaccxaa 840
 g 841

<210> 2318

<211> 707

<212> DNA

<213> Homo sapiens

<400> 2318

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 ttgtctgcgc atgttgggca ttctgntgct gcacagatat caaacaacat gacagagaaa 660
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<210> 2319

<211> 773

<212> DNA

<213> Homo sapiens

<400> 2319

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<210> 2320

<211> 717

<212> DNA

<213> Homo sapiens

<400> 2320

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<210> 2321

<211> 740

<212> DNA

<213> Homo sapiens

<400> 2321

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gggaggatct gnttntgacc

740

<210> 2322

<211> 824

<212> DNA

<213> Homo sapiens

<400> 2322

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<210> 2323

<211> 787

<212> DNA

<213> Homo sapiens

<400> 2323

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<210> 2324

<211> 661

<212> DNA

<213> Homo sapiens

<400> 2324

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 a 661

<210> 2325

<211> 863

<212> DNA

<213> Homo sapiens

<400> 2325

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 agacacaaac agcacagcat gattcttggt cccatgaaca cacctggagt aaaaataata 720
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<210> 2326

<211> 747

<212> DNA

<213> Homo sapiens

<400> 2326

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caagaagaag agtgaagaaa gttacaacgt caatgattat tccttaagag atcagctatt 660
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<210> 2327

<211> 781

<212> DNA

<213> Homo sapiens

<400> 2327

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ggaagcccaa gacggtaccg ggggccgcag ccgcagccgg cgccgccctc cgccctcccc 180
aacagcaggc cgagtcccgt agcatccggt agggaaatgg tcgtgctttc ggtccccgcc 240
gaagtcaccg tgatcctgtt agatatcgaa ggtaccacaa ccccgattgc tttcgtgaag 300

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gacattttat ttccttacat cgaagaaaat gttaaagagt atctgcagac acattgggaa 360
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 gtgtacatct attcctcaag gagtgtggan gcacagaaac tggatttcgg gcattctacg 720
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<210> 2328

<211> 850

<212> DNA

<213> Homo sapiens

<400> 2328

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 caatcgagag gctgaaataa agaagagggt tgaggagatg agggagaagc agcaagctgc 180
 ccaggagcaa gaaagacaaa aacgcaggtc tatcaagagc tactgtgagg atatcctaag 240
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 gctggatgac gaggccacta tgaaggctta ttacaaggag tccgtgaggt ggtagaatac 360
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<210> 2329

<211> 849

<212> DNA

<213> Homo sapiens

<400> 2329

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gcaagactga gagatttcat caaattggaa tttccacctg gatttcctgt caaaatagaa 180
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gacaatggca gaaatgtgca tttgcaagat gaagattacg agataatgca gtttgccatc 420
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ttcagcctgt gagcctctgc acaaagcaga ngctgtgggc tgcacagatg ctgtgtcaac 780
cagggcccta aggctaangg cctggacctt gcgtgcatgc agcangcaac aactggccct 840
tctttatgc 849

<210> 2330

<211> 908

<212> DNA

<213> Homo sapiens

<400> 2330

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atttgtgtgg gcttgtttca atagatacta tgggtgccatt tcaaaattaa aaagtcaaca 180
ccaagaggac ccaaataaca cttcacttct aacaaacaaa ccagcacttc ttagatccct 240
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aagtctaatg ttcgagcaag aagtgaagaa tctatataat aatattttat ctgataagaa 480
ctcctcagtc aatttaaaaa tacaagtgtt aaaaaaacct ccagacctac ctacaagaag 540
aagatacacg tatgcagcag gcagatagag actggaagaa agttgcaaaa caggaagact 600
taaaagaagt ggggtgatgtt tcctcaggga tgagtagttc catcatgcag ctttatctca 660
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cattgcattg actctaaatc aaggncattt tcatccagtt caatgtgtgc catatttaat 780
tgctatgggc acagacccag aacctgctat gcngaacaag gctgatcagc aacttgnggg 840
aaatggccaa aaatatgctg ggattcattc atatgaaacc atggctggta ttgaanagtc 900
ttaccagg 908

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<210> 2331

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2331

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aaaaaaaaa aaaaaaaaaat ataatccaca cctactactc aataccttag aaaatcttcg 60
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tgactgtttc ttggggcttc atgacagaaa gatgtgtgtt ctcggactct gtgctcttat 180
tgatatggaa cagatacccc aagttttaaa tcaggtttct ggacagattt tgccggcttt 240

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tatcctttta tttacggat tgaaaagagc atatgcctgc catgcagaac atgagaatga 300
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 ccatgaatcc aaaatgattg agaagcatgg aggatacaaa ttcagtgctc cagttgtgcc 720
 aagttctttc aattttggan gccacacca gggatgaatt gagtatctct ttctttcctg 780
 ctgggggcct ggantgnaaa acttg 805

<210> 2332

<211> 761

<212> DNA

<213> Homo sapiens

<400> 2332

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 atttacaggt accatgcaga gaacaaaaat ttcacttttg gggagtataa atttgaccg 180
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 ttatttatca aaggcaaata taaaagtgtt ttgcaagtat tgatagagat gaaaaacct 360
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 ttaaatatta taatccatat ccagtcaa atgttggaaa acctgataaa gactctaaaa 660
 aatgctgcan aaggaaatta tcaaaatttg ngaaaagaca tgtgttctcg gangaagtgc 720

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761

<210> 2333

<211> 843

<212> DNA

<213> Homo sapiens

<400> 2333

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ggagcccaag gatgaggcac agaattgaggg cccggctaca gattcagagg ccccgctgaa	180
ggaggatggg cttttgcca aaccactctc ttctggggga gaggaagaag aaaaaccccg	240
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ccggagcctt cagtacagcc gccaggagg cctggatggg ggccttcccg aggaggtgct	660
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acagaacaca aagccctggg gtcccacaat ggcagcctga ntaacgtggg gaggctgctt	780
cacgcgcgga cacaggacac ggccggtnta ctaagacaga tcncctgga ctgaacttga	840
gga	843

<210> 2334

<211> 784

<212> DNA

<213> Homo sapiens

<400> 2334

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cgttggtagg ggactggtca gtgatggaac gtcccctggg gaaagatgga ctcaccgttt 120
tgagaggctg agactcagtc ggggaggggg cgccttgaag gatggagcag ggatggtgca 180
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gctgtcctgc ctgaatcact cggagagtct acccanccag gacctgctgc ttggacccan 720
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<210> 2335

<211> 843

<212> DNA

<213> Homo sapiens

<400> 2335

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gatctctaata ccagacacca tctcaaacac cccaggcttt gatggttaca ttgatctggg 360
ccgagagcct tcagttttgc attccttact gtgggaagta gtttcccaac ttgataaggg 420

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tgaaaattcc ttcctacagg cgaccgtggc aaaattgggg cctctccctc gtgttcttgc 480
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<210> 2336

<211> 755

<212> DNA

<213> Homo sapiens

<400> 2336

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<210> 2337

<211> 828

<212> DNA

<213> Homo sapiens

<400> 2337

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ttatacatat aggattaata gtcataaatt atagtaaata aaacttgtag ctattccttt 180
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<210> 2338

<211> 594

<212> DNA

<213> Homo sapiens

<400> 2338

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ataaagatgc ttcagactgc aaagaatttg ttgaaagagg agaaattggt gcatagctat 60
ccgtatgact ggaggaccaa gaaacctgtg gttattcgtg ccagcaagca gtggtttata 120

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aacatcacgg atattaagac tgcagccaag gaattgttaa aaaaggtgaa atttattcct 180
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 ggaacttcac ggtcttatgt tcttcaggc cctgacaaa gagcagatnt gtacttggaa 540
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<210> 2339

<211> 736

<212> DNA

<213> Homo sapiens

<400> 2339

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 aacctatgtc ttttaaggcca aggatgagaa gaatgcagaa gaatggctcc agtgcacaa 540
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 atttataagt cagccatgac aattatacac cacaggcatt gtattatcat tgccaatgtc 660
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<210> 2340

<211> 840

<212> DNA

<213> Homo sapiens

<400> 2340

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gcaaattgca gcgttccttc agcccaggcc agatcccaga tgagttaaac tctgctccaa  180
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tatttttctt catccaaaaa tgaagcagat tttttctnc caaatatcta tcttccttag  720
taacttagag atcattcatg gaattgatct aaacctattc ttggaagctt taaccttggg  780
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<210> 2341

<211> 720

<212> DNA

<213> Homo sapiens

<400> 2341

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gccaccctgt gacctgcgag tattgggaca tccctagctg acgccaggac acccggaagg  120

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 ctttaccag gaggaatggg ctttgctaga ttcttctcag aagaatctct acagagaagt 480
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<210> 2342

<211> 724

<212> DNA

<213> Homo sapiens

<400> 2342

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724

<210> 2343

<211> 667

<212> DNA

<213> Homo sapiens

<400> 2343

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<210> 2344

<211> 779

<212> DNA

<213> Homo sapiens

<400> 2344

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<210> 2345

<211> 850

<212> DNA

<213> Homo sapiens

<400> 2345

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<210> 2346

<211> 859

<212> DNA

<213> Homo sapiens

<400> 2346

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<210> 2347

<211> 832

<212> DNA

<213> Homo sapiens

<400> 2347

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<210> 2348

<211> 890

<212> DNA

<213> Homo sapiens

<400> 2348

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<210> 2349

<211> 745

<212> DNA

<213> Homo sapiens

<400> 2349

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<210> 2350

<211> 891

<212> DNA

<213> Homo sapiens

<400> 2350

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<210> 2351

<211> 664

<212> DNA

<213> Homo sapiens

<400> 2351

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<210> 2352

<211> 800

<212> DNA

<213> Homo sapiens

<400> 2352

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<210> 2353

<211> 751

<212> DNA

<213> Homo sapiens

<400> 2353

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<210> 2354

<211> 784

<212> DNA

<213> Homo sapiens

<400> 2354

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<210> 2355

<211> 777

<212> DNA

<213> Homo sapiens

<400> 2355

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<210> 2356

<211> 812

<212> DNA

<213> Homo sapiens

<400> 2356

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812

<210> 2357

<211> 873

<212> DNA

<213> Homo sapiens

<400> 2357

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<210> 2358

<211> 695

<212> DNA

<213> Homo sapiens

<400> 2358

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<210> 2359

<211> 868

<212> DNA

<213> Homo sapiens

<400> 2359

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<210> 2360

<211> 759

<212> DNA

<213> Homo sapiens

<400> 2360

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<210> 2361

<211> 792

<212> DNA

<213> Homo sapiens

<400> 2361

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<210> 2362

<211> 916

<212> DNA

<213> Homo sapiens

<400> 2362

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tcaagcctgc tagaactctt ctttgaactt tttcgttgcc atgataaact tctgcgaaag  180
actttataca cacatattgt gacggatatc aagaatataa atgcaaaaaca caagaacaat  240

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<210> 2363

<211> 778

<212> DNA

<213> Homo sapiens

<400> 2363

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<210> 2364

<211> 737

<212> DNA

<213> Homo sapiens

<400> 2364

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<210> 2365

<211> 774

<212> DNA

<213> Homo sapiens

<400> 2365

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<210> 2366

<211> 768

<212> DNA

<213> Homo sapiens

<400> 2366

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<210> 2367

<211> 871

<212> DNA

<213> Homo sapiens

<400> 2367

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<210> 2368

<211> 803

<212> DNA

<213> Homo sapiens

<400> 2368

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<210> 2369

<211> 821

<212> DNA

<213> Homo sapiens

<400> 2369

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<210> 2370

<211> 861

<212> DNA

<213> Homo sapiens

<400> 2370

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<210> 2371

<211> 859

<212> DNA

<213> Homo sapiens

<400> 2371

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<210> 2372

<211> 865

<212> DNA

<213> Homo sapiens

<400> 2372

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<210> 2373

<211> 859

<212> DNA

<213> Homo sapiens

<400> 2373

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<210> 2374

<211> 785

<212> DNA

<213> Homo sapiens

<400> 2374

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<210> 2375

<211> 852

<212> DNA

<213> Homo sapiens

<400> 2375

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cagcacttgc ctttatccaa gagcttctgg ctggctctga tgaatcctat cggccctgcg 780
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<210> 2376

<211> 829

<212> DNA

<213> Homo sapiens

<400> 2376

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<210> 2377

<211> 723

<212> DNA

<213> Homo sapiens

<400> 2377

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gttgcctttt atgccattgt gtccttttct tgatgttttc aaagctggct gaatcctaca  180
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<210> 2378

<211> 854

<212> DNA

<213> Homo sapiens

<400> 2378

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<210> 2379

<211> 856

<212> DNA

<213> Homo sapiens

<400> 2379

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tgtccacact ttaccttcc cacagactga attctttgca gtaacagctt atcagaacat 180
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<210> 2380

<211> 830

<212> DNA

<213> Homo sapiens

<400> 2380

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ttggagaatg tgggctcata tccttttcag actacatttt cctcacaact gttctttcca  180
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tcttcatggg gagaagatga gtcttgaaat atcaagacaa ttgcagaang ctgtgccctg  780
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<210> 2381

<211> 840

<212> DNA

<213> Homo sapiens

<400> 2381

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<210> 2382

<211> 848

<212> DNA

<213> Homo sapiens

<400> 2382

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848

<210> 2383

<211> 820

<212> DNA

<213> Homo sapiens

<400> 2383

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gtcttccttg cagacacaga tgggttgggt tcacctgcag ttcatgctg gtcaagcctg 780
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<210> 2384

<211> 881

<212> DNA

<213> Homo sapiens

<400> 2384

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<210> 2385

<211> 832

<212> DNA

<213> Homo sapiens

<400> 2385

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<210> 2386

<211> 780

<212> DNA

<213> Homo sapiens

<400> 2386

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<210> 2387

<211> 801

<212> DNA

<213> Homo sapiens

<400> 2387

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<210> 2388

<211> 601

<212> DNA

<213> Homo sapiens

<400> 2388

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<210> 2389

<211> 736

<212> DNA

<213> Homo sapiens

<400> 2389

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 ggttcctgta tgtccactgg ttttagccga gcagtacaaa cacacagctc taaatttttt 660
 gaagaagatg gacctttaa ggaggtncat angataaatg aaatgnatgc ttcattacca 720
 ggaggaatta aagagt 736

<210> 2390

<211> 717

<212> DNA

<213> Homo sapiens

<400> 2390

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cgctcctgag cccggtgcgg ggctgccgct atcgcttggc cgtgggtgcc ggagcggccg   180
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gttaaagtat atcaagtgtg ctaaagaacc tggactaaat ggactaattc tganagagaa  660
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<210> 2391

<211> 687

<212> DNA

<213> Homo sapiens

<400> 2391

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagaattg actcgcgcc tcgtccgccg   60
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agccagaaga aaatcaggtc ctggctcccc agaagcaaga gagttcaa at gaaggaagga  180
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 caaaaccaa aaatactgaa gaggacggga caacgctntg aacacggaag aactttgaaa 660
 tcatatttag gttaaccca ccngagc 687

<210> 2392

<211> 826

<212> DNA

<213> Homo sapiens

<400> 2392

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 gcttattcca tatactttct acattatagc ctttcttttg ttactaaaa aggcatagtc 180
 actcgcaaat ctagtattga atacattcaa aatccattga agataaccaa ataagctttt 240
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<210> 2393

<211> 801

<212> DNA

<213> Homo sapiens

<400> 2393

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acttgccgaa gcatgaacga agccatccct agtggcaagg agacttccat cgagctggat   60
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cgtgttgtct ttacctgcca ggccacagcc aaccccgaga tcttgggcta caggtgggcc  180
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gctgtgaggg gtgacgggtg caaggtggag tgtttcattg ggagcacacc acccccagac  720
cgnatancat ggcctggaag gagaacttct tggaagtggg gaccctggaa cgctnttcag  780
tgagaggac caacttaggc a                                         801

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<210> 2394

<211> 858

<212> DNA

<213> Homo sapiens

<400> 2394

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gaaaccatgg tcaggtggtc tcttacctgt taaaatcagg agctgacaaa gaaaagttgg   60

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 gaaactcagg atgacgatac ctaagactga aagaaaatac tttaccata gaaaatgaaa 780
 gtggtaaaat acatttgctg gtactctgga nacagtgcata acccggtcat gaaactgggt 840
 aaatgcantt nactgcaa 858

<210> 2395

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2395

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 atcgtcttcc agcacatccg ctgtcctgga gagcatcgac gaggacgacg actactactt 720
 caaccttcag caagtncact cggaaagaag ttggcangac aaagttcatt ccacgcnagg 780
 tgttaaga 788

<210> 2396

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2396

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 atgggaaaga gatcacattc ttggaatact acagcaaaaa ttatgggatac acagttaagg 180
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 taaactgggt taaggaagta accagagacc cttccatctt gactatcccc atgcatttct 600
 gggcactttt ttacccaaag agagcaatgg accaggctcg agaactggtc aacatgttgg 660
 agaagatagc cggccccatt ggcattgcgtg tgagcccacc cggcctgggt tgaactaaag 720
 gatgaccga attgagactt atgtcagaac cattcaatcc acgttaggag ctnangggaa 780
 aatccn 786

<210> 2397

<211> 838

<212> DNA

<213> Homo sapiens

<400> 2397

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tatatgaaga ggctgaggct gacaacgaag aaagcgacaa ggactcattg aatgaaatgt 180
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cgaaaaccag aaaggcggat gaaaccaaca ccaccagcag atcctctgca caaacaaaat 480
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gatgtatata tcagatggta aagtcatctt attctcttgg nctaancaag agttctaagt 780
taagagtggg ttttggtttc tttggaaaat catcttggct ctcaatcttg ggtgnccc 838

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<210> 2398

<211> 762

<212> DNA

<213> Homo sapiens

<400> 2398

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tgctctgggt tggctggaat gcatttatca tctgcttcta cttggagggt ggacagctgt 180

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cccaggaccg ggacttcate atgacctica acacatccct gcaccgctcc tggatgatgg 240
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<210> 2399

<211> 803

<212> DNA

<213> Homo sapiens

<400> 2399

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ttggataatt aagaaagcng attanatgcc catggtcaac aaggaagttg actgnatggc 780
tgctaagtta gattcaaaac atc 803

<210> 2400

<211> 884

<212> DNA

<213> Homo sapiens

<400> 2400

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tcaggaaatc ttacctgtat tccttaacgc caatagaaac tggaattctc cagttgctaa 180
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aaggttgagc ttttaggtt ggctctttg gnttcccaag gttaagncag atctagagtc 840
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<210> 2401

<211> 742

<212> DNA

<213> Homo sapiens

<400> 2401

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accacctggc caaacacagg aagaggatcc tcctgctgga gcagttcttt ctaccacact	180
cccaggaag ctcccatgga caaagccgga taatccgaaa ggcgtacctg gaagactttt	240
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<210> 2402

<211> 898

<212> DNA

<213> Homo sapiens

<400> 2402

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<210> 2403

<211> 829

<212> DNA

<213> Homo sapiens

<400> 2403

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<210> 2404

<211> 665

<212> DNA

<213> Homo sapiens

<400> 2404

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ggttc                                         665

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<210> 2405

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2405

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ggagaactac ttgaaagaga aacaactatg tgatgtgcta ctgattgcag gacacctccg  180

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 ggtggggcat gatgtgcaga ataggcaagg agaactgggg atgctgcttt cttacatcan 720
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<210> 2406

<211> 823

<212> DNA

<213> Homo sapiens

<400> 2406

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<210> 2407

<211> 814

<212> DNA

<213> Homo sapiens

<400> 2407

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aagttgagtg agcccgccgn aacgtntcag aactgaggca atgctgtctg aaaaaactga 780
tgacagccaa ctttgaacta agatcncgac gctg 814

<210> 2408

<211> 831

<212> DNA

<213> Homo sapiens

<400> 2408

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<210> 2409

<211> 648

<212> DNA

<213> Homo sapiens

<400> 2409

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<210> 2410

<211> 752

<212> DNA

<213> Homo sapiens

<400> 2410

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<210> 2411

<211> 773

<212> DNA

<213> Homo sapiens

<400> 2411

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<210> 2412

<211> 831

<212> DNA

<213> Homo sapiens

<400> 2412

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ccgctacca gagcccatga ctccagacac tatgattaaa ctatatagga agaaggcttg 300
gcctacatct ggatgccaac accagatatg agcaccgaag gccgagtaca gatgctgccc 360

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<210> 2413

<211> 818

<212> DNA

<213> Homo sapiens

<400> 2413

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 cgtccttggc cttgnccaaa acatgaatgt tttccagtgg tccaaaatgt aaacacaaaa 720
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<210> 2414

<211> 841

<212> DNA

<213> Homo sapiens

<400> 2414

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<210> 2415

<211> 780

<212> DNA

<213> Homo sapiens

<400> 2415

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<210> 2416

<211> 638

<212> DNA

<213> Homo sapiens

<400> 2416

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<210> 2417

<211> 669

<212> DNA

<213> Homo sapiens

<400> 2417

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<210> 2418

<211> 734

<212> DNA

<213> Homo sapiens

<400> 2418

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<210> 2419

<211> 774

<212> DNA

<213> Homo sapiens

<400> 2419

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<210> 2420

<211> 738

<212> DNA

<213> Homo sapiens

<400> 2420

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<210> 2421

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2421

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<210> 2422

<211> 856

<212> DNA

<213> Homo sapiens

<400> 2422

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ccagaaatta tatctttggt tgtgatttaa acttatgcta taaactaaat taatgatgta	180
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acgtattatt ataggaacaa agatttggga ataattgatt acaggtgagg aagtactgga	300
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<210> 2423

<211> 608

<212> DNA

<213> Homo sapiens

<400> 2423

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 gagaacagaa ctggcccctg tacagggtgc attaactctgg ttgtatatgg gttataatat 180
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 aattggacta ttaggaataa aacaatctca gagcagctcc taaacaagag aatnaaaatg 540
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<210> 2424

<211> 822

<212> DNA

<213> Homo sapiens

<400> 2424

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attattatatt caaaggaatt gtttgaaacc aaacatgtta tccagtaatg gagcctctaa  180
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accaccagca ccactacctg gaattagtag accaaaaccc cgagacacac tttctttccc  720
agaaacctgg agcttcaaaa gtggaaaccg ggttttcaga accaaatggg cattggccct  780
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<210> 2425

<211> 859

<212> DNA

<213> Homo sapiens

<400> 2425

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tgcccctttg gccgcagtgc cattgagctc accaaaatgc tctgtgaaat cctgcaggtt  180
ggggaactac caaatgaagg acgcaatgac taccaccga tgttctttac ccatgaccga  240

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gcctttgaag agctctttgg aatctgcatc cagctgttga acaagacctg gaaggagatg 300
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<210> 2426

<211> 812

<212> DNA

<213> Homo sapiens

<400> 2426

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 tgaagaagac caaccaggg cctgtgggtg aaacactcct gtgccagctg agctcatatg 180
 ctaagacaga gctgggggtct cagactccag aaagtagtcg cagtgaagcc agccgaatac 240
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 cttaccata atttgtcang gataccaaat ca 812

<210> 2427

<211> 884

<212> DNA

<213> Homo sapiens

<400> 2427

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 taccaggatc actttcttcc ccagggtgta ctacagacct ccacatgttg gacagtagga 180
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 cctcccaaaa aggcattaga aggaaatgcc aagcaccgaa attttgtcaa gaagcggagg 360
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 aatgccccac agaactccac ccaagctcat tcagagaata aatgctccgg agcatcccaa 780
 aanttncacg gaagatgggtg gcaatgactg tgaaatgggtg gcacaggacc aangggcatg 840
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<210> 2428

<211> 706

<212> DNA

<213> Homo sapiens

<400> 2428

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gcaacctctt ctctcaaaa tgtactgggt ctgcctgtct ggagggccat ggagaagagg 180
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gaagatgatg taccacatct tctggggcta ggttggaaact gggcatcttg gangcagagc 660
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<210> 2429

<211> 826

<212> DNA

<213> Homo sapiens

<400> 2429

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atgatactat tgaagatgcc cttgggtggg tacaagaggc tcattttgat ggacttatct 240
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ttgggtgcagc acctgggaaa gtggcagaca aagttataat tgaaaacact agagattcaa 360
ccttcgtttt tatggaaggc tctgaagatg cttatgttgg atatatgaca ataaggttta 420
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accctgatga caaatctgca caacaccaca atgcacacca ctgcttagag attacagtaa 480
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 ccaataatgc gtagctggg atttgggtta aaaatcatgg aaaccaatt attagacgga 720
 atcatattca tcatggacgt gatgntgggt nggtcacatt tgatcatggc atgggggtact 780
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<210> 2430

<211> 704

<212> DNA

<213> Homo sapiens

<400> 2430

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 gtggtgaaag acggtagcca ggatgccgac cacagccagg ggagagctga gcccgccat 180
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 tttggcagca cggcagagag gatgaggcan gagggtgccg cgagccagga cgcggcctgg 660
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<210> 2431

<211> 882

<212> DNA

<213> Homo sapiens

<400> 2431

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agaatcaggc agaactggat tgcaaaaant taatgggcan acccggtatg tgtgcagggt  840
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<210> 2432

<211> 744

<212> DNA

<213> Homo sapiens

<400> 2432

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gttaaggcta ttatataaat ttatttttta aaagacataa acctacattt tcagaagaag  180

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aagtccatg tttccttaga ttatgtatgt agcatccatt aatcacaggg ccaaactaac 240
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<210> 2433

<211> 852

<212> DNA

<213> Homo sapiens

<400> 2433

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tctggttaca ttgaagtgtc cagcatattc tgaaagatgt cagtggagtg ccactcttga 780
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ggcaagctnt gg 852

<210> 2434

<211> 785

<212> DNA

<213> Homo sapiens

<400> 2434

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<210> 2435

<211> 779

<212> DNA

<213> Homo sapiens

<400> 2435

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<210> 2436

<211> 748

<212> DNA

<213> Homo sapiens

<400> 2436

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tctcctgcct cagcctcctg agtagctggg attacagagg aaccagacta gcatttctca  180
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agaacagatt cctggaatag acatacagct gaataggaag tatcacacca cacgtaagct  360
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aatagaagcc atgggattca cgggaccttt gaaatacagt aaatgggggtg tcagatgcct 480
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<210> 2437

<211> 737

<212> DNA

<213> Homo sapiens

<400> 2437

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<210> 2438

<211> 808

<212> DNA

<213> Homo sapiens

<400> 2438

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gtccgttcca cagggatcct tgggtgtttgt aaaataactt ctaagtactg ggaaatgatg  180
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cacgttattc gtcattgctt aaatgcctgt atccagaggg cagtgagaga ctttcagagg  720
accaggagga agaagaccga aaggggagaag gagaatggng actggtcttg gacaaaacac  780
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<210> 2439

<211> 705

<212> DNA

<213> Homo sapiens

<400> 2439

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tgtagtccta gcttctcagg aggctgaggc aggaggctct cttgagcccg ggaggacaag  180
gctgcagtga gccatgacca tgccactgca ctcagcctgg gcaacagagt gagaccctgt  240

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ctcaagaaag aaaaacgaga aaggagagt ccctccactg taaggagatc gggttcatta 300
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 atttggtgtt ttccaccctt tcacaggatt ctgaggtaac tcatttctgt tggccttggc 420
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 cactgagga tttacggcag cagcctctgc acggcttccc acgaccttcc cagctgcttg 600
 ctggacgctg ctggagaaac agcacatncc aagatcatca tggccccagc atnctcttga 660
 acttantaac agttggcctg acagatgaac cggatatcat ccctg 705

<210> 2440

<211> 728

<212> DNA

<213> Homo sapiens

<400> 2440

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 aggctccatg agcagatgaa gtagacagct ttactcagta tctcagacca agaacttcat 180
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 aatctagcct gttcctccac tatgggctcc ctttcaaact atgccctgct tcaactaacc 360
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 gaacaacccg aactagtttt tgttcctgcc agtgcaagca cctggtggac ctattctgga 540
 caatggatgt atgaaagggt gtggtatcca caagcagaag tacagaatca ctctacttcc 600
 tcctatcgta aagtgacttg gcactgggaa gcctncatgg aagctcaagg nctatccttt 660
 gctcaagtaa nggtattgga gggaaatfff tctctttgcg tagaaaataa aaatggcagt 720
 ggaccctt 728

<210> 2441

<211> 772

<212> DNA

<213> Homo sapiens

<400> 2441

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gctagcgaat aaccttaaac aggagggtca taatcttggg ctgctccatg gggatatgga 60
tcagagttag agaaacaagg tcatttcaga ctttaagaaa aaggacatcc cagtcctggt 120
ggccacagat gttgcagccc gtggtctgga cattccttca attaagactg tcattaacta 180
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agccagttta agtaatcaga agctggaagt tctgctgctg gggcaaagtg ggtggactag 660
tgcagggagc ttgaattctg gtccaactac tcancacaac agggccataa cagtcctgac 720
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<210> 2442

<211> 730

<212> DNA

<213> Homo sapiens

<400> 2442

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ggcagagacg agaagagagg aggggaggcc tcctccgccg ccgcatctt ggaccgggcc 60
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tcgtcagaac aacccgggc ccaactcccc aacccactt ccgcttcgcg ccgctatcgc 180

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gatagcgcgc gggcccgggg cgcgagaaaa aggcggcggg cgctcgccctc ccccgccctgt 240
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 ctccacaatg cagccaacgc gaaccagaaa gaaaagtatg aggctgacct aaagaaggag 480
 attaagaagc tacaacggct gagggaccaa atcaagacat gggtagcgtc caacgagatc 540
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 aaagttgtgg aacgagagac caaaaccaa gcttacagca aaagagggcc tgggcctgcc 660
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<210> 2443

<211> 727

<212> DNA

<213> Homo sapiens

<400> 2443

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 catctagggg actgccatgg tgtacgatgg gaagtccagt ctggagagtc caaccagatg 180
 gtccacatga atgtccatcat cacctgtgtc tttgctgctt ttgttttggg ggcattcatt 240
 gcaggtgtgg cagtatactg ctatcgagac atgtttgttc ggaaaaacag aaagatccat 300
 aaagatgcag agtccgcca gtcatgcaca gactccagtg gaagttttgc caaactgaat 360
 ggtctctttg acagccctgt caaggaatac caacagaata ttgattctcc taaactgtat 420
 agtaacctgc taaccagtcg gaaagagcta ccaccaatg gagatactaa atccatggta 480
 atggaccatc gagggcaacc tccagagttg gctgctcttc ccactcctga gtctacaccc 540
 gtgcttcacc agaagaccct gcaggccatg aagagccact cagaaaaggc ccatggccat 600
 ggagcttcaa ggaaagaaac ccctcaattt tttccgtcta gtccgncacc tnattcccca 660
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cgtcttt

727

<210> 2444

<211> 828

<212> DNA

<213> Homo sapiens

<400> 2444

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cagtacacaa atgcatgagt atgtttatac agtgtagac tgatgtgaat ttgcatttgt 60
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aaatgcctgt atacctatgt gtgcagcagt aaaaaattag tgagaaaaag caactttttg 180
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gataattcca atgagaaata ctaccagatt attgttataa aattaattta caatgtccct 300
gatattgagc taactcttaa aaaaaccaa caaaactcgt atctgagtgt aactttgcc 360
atatttttaa agccaaaata ttctctggac aacaaatttg tattgctcag ggacagtta 420
ccttgccctgg taaaccttcc caaacagaaa tatagctata ctatctttgg ttttgttttt 480
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gttttttagca gagacagggt ttcaccacgt tggccagggt ggtcttggac tcctgacctc 720
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<210> 2445

<211> 373

<212> DNA

<213> Homo sapiens

<400> 2445

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 tagctgggac tacaggcgcc cgccaccacg cccggctaata tttttttttt ttttttggan 360
 ttttangaaa ngc 373

<210> 2446

<211> 869

<212> DNA

<213> Homo sapiens

<400> 2446

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 gccgcgcgga cctccgtctt ccttgtccgc gtgggcccgg gcgcaggcga gagtccaggg 180
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 gtancacaag cttcagtaac aaaaagggtg ctacttaacc actggaagca aagatcaaac 780
 cattcgaatc ttggagctgg tctaaaaggc ccagggggtg atgaattttg gaaattggcc 840
 cttttttgaa anaanaanaa ggaggggggt 869

<210> 2447

<211> 774

<212> DNA

<213> Homo sapiens

<400> 2447

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agaggattta ttggttacga aggaagggtg atttcagtgt gttctttgga tggcaggcct  180
taagagaaga gtcccactgc acagcctcag atacttcac tccatgggtg gtctcttctc  240
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anatggcaat ccaaagactg tggggttcta cctgggaact tggagagatg ggaaccttgc  720
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<210> 2448

<211> 696

<212> DNA

<213> Homo sapiens

<400> 2448

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ctattttggg gacagaagaa gaacttagta gatgcattga ggatgtgttt aagggtgtacg   60
tggttgggaa tgaaccttta acagttttga tggattccct gcttcagtc ctgggagtgc  120

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 gcctcttgga attagagcaa catcagactc ttcttgtgga aggccaagag cggaagctgc 600
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<210> 2449

<211> 675

<212> DNA

<213> Homo sapiens

<400> 2449

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 cgccaccccg acaagacggc cctgatcttc gagggcacag ataccactg gaccttccgc 180
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<210> 2450

<211> 899

<212> DNA

<213> Homo sapiens

<400> 2450

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tctcttttca agttcgaatc gtcctcccat gccatcagta tgagcgccta tctgcgagaa 180
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caaccaaca gcttgaggnc caaaagagag gaggaagaag attcataagg gcagcttttg 840
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<210> 2451

<211> 889

<212> DNA

<213> Homo sapiens

<400> 2451

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 cccagcccgg gtgggaaaaa agggaaagaa ggaggtgatg gcggagtttt cggacgctgt 180
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 tcacgtctcc actttaagga aaattctgtt tgaagatttc cggtcctggc tttctgatat 480
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 ttgaagtatc tncctngtcc tttcaccagg tgtctgaagt gctgctgaag aaaagtcacg 780
 tttgctataa gtggctgggt catggncat tattgcttcg gcttcccact cttttgaacc 840
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<210> 2452

<211> 740

<212> DNA

<213> Homo sapiens

<400> 2452

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catcatcacc ttccacaacg aggcccgtc cacgctgctc aggaccatcc gcagtgtatt 480
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 acggcaagggt ctgggtccggt cccggattcg gggcgctgac atcgnccagg gcaccactct 660
 gactttcctc gacagccact gtgangtgaa cagggtactgg ctccagcctc tgttgacacn 720
 ggtcaaagag gactacacgc 740

<210> 2453

<211> 819

<212> DNA

<213> Homo sapiens

<400> 2453

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 aacaaaatcc acaaatgggtg tgaactaata tgctggctgc taccttgcac aaattaatga 180
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<210> 2454

<211> 795

<212> DNA

<213> Homo sapiens

<400> 2454

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aagaagcagg ctgtcgattt attaaccttc agccttcgac actgaccgat aagtggatatg  180
gagaatctca gaaattggct gctgctgtct tctcccttgc cataaagcta caaccatcca  240
tcatctttat agatgaaata gactcctttc tacgaaaccg ttcaagttct gaccatgaag  300
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cccaggaaac tgatgggttt tcaggaagtg acctaaaaga gatgtgtcga gatgctgccc  600
ttctctgtgt tagagaatat gntaattcta catcagaaga aagccatgac naagatgaaa  660
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gtgcagcatt tcagaatggt ttaacccatg gtttgggtta naattaagag taaagaacat  780
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<210> 2455

<211> 794

<212> DNA

<213> Homo sapiens

<400> 2455

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gtaatctgca tgggtttgtg gatatagaaa cccccacatt gtttaagagg accccagggg 240
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<210> 2456

<211> 739

<212> DNA

<213> Homo sapiens

<400> 2456

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 gggctgacga gtccacctca ggaccagagg acaccagaag cagcgtcatc tctgaatttg 480
 agcaatgggtg aaacggaatc tgtgaaaacc atgattgtcc atgatgatgt anaaagttag 540
 ccggccatga ccccatccaa ggaaggcact ctaatcgctc gccagactca gtccgctagt 600
 ancacactcc anaaacacna atcttctctc tcttttacc ttttatagaa cccagattac 660

taccgatttc tccatctanc ggaacaacng ttgactctgt ggtggggatt ttcctgtgat 720
ngggatnaaa ccnnaaacc 739

<210> 2457

<211> 748

<212> DNA

<213> Homo sapiens

<400> 2457

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ggatcaaag ggccctccaa tnacctga 748

<210> 2458

<211> 875

<212> DNA

<213> Homo sapiens

<400> 2458

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<210> 2459

<211> 667

<212> DNA

<213> Homo sapiens

<400> 2459

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 aactccgcac gaacctccag cctctggaga gtactcagtc tcaggacttc tananaaagg 600
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<210> 2460

<211> 949

<212> DNA

<213> Homo sapiens

<400> 2460

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 cgaagggtccc agcgctctg agaacggatga tgctagcgag gaggatcacc cccaagtctg 120
 tgccaagtgc tgcgcacaat tcaactgaccc aactgaattc ctgcgccacc agaacgcattg 180
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 tcctgtcaaa tggcctgccc atgaagccct ggaattccag ctccacctcc actaccactc 480
 caagcctggc cccaccagtg ctgtttggcc taggaactgt ggctgggaag gtgcctccaa 540
 caatgggatc canggaagcc aaggagaaga cagccccct cctatttcag cctcctgcac 600
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<210> 2461

<211> 614

<212> DNA

<213> Homo sapiens

<400> 2461

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gctccagatg cagccccggc tcctgcgtcg atctccctgt ttgacctcag cgcggatgct 180
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<210> 2462

<211> 818

<212> DNA

<213> Homo sapiens

<400> 2462

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aaattggacc actcagttag tagcaccaat ggccacaggt ggcagatatt tcaagattgg 240
ttgggaactg accaagataa ccttgatttg gccaatgtca atcttatgtt ggagttacta 300

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gtgcagaaga agaaacaact ggaagcagaa tcacatgcag cccaactaca gattcttatg 360
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 cagccttggg ataatagcac gttingcatca agacgaaaac gacttactgc tcattttgaa 600
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 agttacgacc ttaaccccc attgtcatat gcctantgat ctctataatg gttcccantt 780
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<210> 2463

<211> 821

<212> DNA

<213> Homo sapiens

<400> 2463

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 ggcaatttgc agcatttcta gtggtactgc tccacatttt acagctttat gaagaagggtg 180
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 attcagctgt tgaatctcac ttgaatttga gcaaaacctt catctttata tgtatctgga 360
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 agtaggacag tgtttttctc tggtttgagc aacgaattca accagtcctc tgggttgatc 480
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 ttggtagtta tacattgata tatgtgcatt gaatatgtta ggtatttata aacagtcctt 720
 gcaatctggc tttgtctgtg aatgtccctg ttatantaag tctgtccaaa aattgttaag 780

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821

<210> 2464

<211> 795

<212> DNA

<213> Homo sapiens

<400> 2464

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aatccagaaa acnct

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795

<210> 2465

<211> 737

<212> DNA

<213> Homo sapiens

<400> 2465

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 aaaataaccc aggagtaaag tttactggct accaggcaat tcagcaacag agctcttcag 480
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 agactgccna gaaanaagaa aacnaaagca gctctgaagg tgganatgcc gggcaacgac 720
 acnagaaaac acacttc 737

<210> 2466

<211> 692

<212> DNA

<213> Homo sapiens

<400> 2466

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<210> 2467

<211> 716

<212> DNA

<213> Homo sapiens

<400> 2467

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 gggaaaacct ccacctgat cctcctccct ggggaacaat tggctgtggg gggatccctc 660
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<210> 2468

<211> 742

<212> DNA

<213> Homo sapiens

<400> 2468

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<210> 2469

<211> 570

<212> DNA

<213> Homo sapiens

<400> 2469

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570

<210> 2470

<211> 738

<212> DNA

<213> Homo sapiens

<400> 2470

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738

<210> 2471

<211> 842

<212> DNA

<213> Homo sapiens

<400> 2471

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 gcccttccag aagaataccg agattatfff ntgcgaaatt tacatgatgc cttatcagga 660
 catacttcca acaatattta cgaaggcagt ccantattct ganaaaaacc tcacaaagtg 720
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<210> 2472

<211> 640

<212> DNA

<213> Homo sapiens

<400> 2472

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<210> 2473

<211> 881

<212> DNA

<213> Homo sapiens

<400> 2473

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<210> 2474

<211> 669

<212> DNA

<213> Homo sapiens

<400> 2474

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<210> 2475

<211> 692

<212> DNA

<213> Homo sapiens

<400> 2475

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<210> 2476

<211> 795

<212> DNA

<213> Homo sapiens

<400> 2476

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<210> 2477

<211> 665

<212> DNA

<213> Homo sapiens

<400> 2477

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<210> 2478

<211> 423

<212> DNA

<213> Homo sapiens

<400> 2478

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<210> 2479

<211> 804

<212> DNA

<213> Homo sapiens

<400> 2479

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<210> 2480

<211> 758

<212> DNA

<213> Homo sapiens

<400> 2480

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<210> 2481

<211> 877

<212> DNA

<213> Homo sapiens

<400> 2481

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<210> 2482

<211> 724

<212> DNA

<213> Homo sapiens

<400> 2482

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<210> 2483

<211> 894

<212> DNA

<213> Homo sapiens

<400> 2483

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<210> 2484

<211> 873

<212> DNA

<213> Homo sapiens

<400> 2484

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<210> 2485

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2485

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<210> 2486

<211> 795

<212> DNA

<213> Homo sapiens

<400> 2486

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<210> 2487

<211> 656

<212> DNA

<213> Homo sapiens

<400> 2487

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catttggtac aatagctatt cagtttagac atcatanang agcccaaagt atttcaacag  600
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<210> 2488

<211> 892

<212> DNA

<213> Homo sapiens

<400> 2488

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<210> 2489

<211> 684

<212> DNA

<213> Homo sapiens

<400> 2489

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 tgtgccggcc cncangcaga cactgctgtt cacgccnccg tgaccgacac actccgggag 600
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<210> 2490

<211> 490

<212> DNA

<213> Homo sapiens

<400> 2490

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tcagcgatga acacggcatc caccggcccg gaggctacgt gggagactcg gcgctgcagc  180
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gggcctacac ggaaggcgcg gaactggtgg accnatgctg gacgttgtgc ggaaagatgc  420
gaacactgcg actgcctgca gggcttcng ctcacccact ccctnggcgg cgngccngg  480
ctctccgctg                                     490
    
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<210> 2491

<211> 585

<212> DNA

<213> Homo sapiens

<400> 2491

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cggaactggn agggcctgag tctctgccct cgtgggcgtt gagtgcact gattctcgcg  480
    
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tgtctccggn ctctccggca tggaatccta ccgcanactt tgcggttcat ggaagagtct 540
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<210> 2492

<211> 646

<212> DNA

<213> Homo sapiens

<400> 2492

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<210> 2493

<211> 679

<212> DNA

<213> Homo sapiens

<400> 2493

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 gtgcgttga gtcctggcat cngttcccc ccccatgtt tttttncn aagaaaattg 660
 ttttcttgtt actgnttta 679

<210> 2494

<211> 521

<212> DNA

<213> Homo sapiens

<400> 2494

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 gatntgtctt angttggcaac aaactcatng agttggagct gggctccaga atttgggcaa 420
 tacctgtttt gccaatgcac acngcantgt ttaacctaca caccaccctc ttgccaatta 480
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<210> 2495

<211> 860

<212> DNA

<213> Homo sapiens

<400> 2495

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<210> 2496

<211> 868

<212> DNA

<213> Homo sapiens

<400> 2496

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<210> 2497

<211> 778

<212> DNA

<213> Homo sapiens

<400> 2497

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tgacagatta ccagttggtc tcccctgcca agaatccctc cagtctcttc tcaaaggaag 180
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ctgcacccac accaatccna gccctgacct tggcacctgc catccgtgac aaactggaca 660
tccttggggc tgctgaaaca ggaantggga aaactcttgc cttttgccat cccaatgaat 720
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<210> 2498

<211> 714

<212> DNA

<213> Homo sapiens

<400> 2498

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<210> 2499

<211> 596

<212> DNA

<213> Homo sapiens

<400> 2499

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<210> 2500

<211> 651

<212> DNA

<213> Homo sapiens

<400> 2500

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<210> 2501

<211> 808

<212> DNA

<213> Homo sapiens

<400> 2501

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gtcattaccc anacagcca ggctttacct accactgagg taaccaatac tcaggcttct  180
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<210> 2502

<211> 460

<212> DNA

<213> Homo sapiens

<400> 2502

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<210> 2503

<211> 439

<212> DNA

<213> Homo sapiens

<400> 2503

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<210> 2504

<211> 928

<212> DNA

<213> Homo sapiens

<400> 2504

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<210> 2505

<211> 659

<212> DNA

<213> Homo sapiens

<400> 2505

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<210> 2506

<211> 451

<212> DNA

<213> Homo sapiens

<400> 2506

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<210> 2507

<211> 827

<212> DNA

<213> Homo sapiens

<400> 2507

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<210> 2508

<211> 501

<212> DNA

<213> Homo sapiens

<400> 2508

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 ctaacgtaca cncgcgggaa ttcgtgccgt ccttcctgcg ggggccgaat caaccgcca 420
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<210> 2509

<211> 662

<212> DNA

<213> Homo sapiens

<400> 2509

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ggtgaagcat tttcagttaa agcggaaacc caagaacgcc acgtgcggg cggactgctg 600
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<210> 2510

<211> 581

<212> DNA

<213> Homo sapiens

<400> 2510

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acacctaaa gtaccttttc atcttctctg tggccaacat gaggaacagc aagctgaagg 180
acatccggaa cgcctggaag cacagccgga tgttctttgg caaaaacaag gtgatgatgg 240
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ggttgagggg tgaggtgggt ctcctgttca ccaaccgcac aaaggaggag gtgaatgagt 360
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 tgagcctgga tccagggccc ctggagcagt tccccactc catggagcca cagctcaggc 480
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<210> 2511

<211> 648

<212> DNA

<213> Homo sapiens

<400> 2511

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 aagacaagat ggtcagattt gttatcctag tgggttacia tccaaaatac tctggagcat 180
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 ggcactgcac ccgggcatga ngacacatcc antaagaaga cctgcctcaa gaggtgcact 420
 gcggtgacca gtggagggtga ctggttggan cctggaattg gaagcagatt ccaagctctg 480
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<210> 2512

<211> 711

<212> DNA

<213> Homo sapiens

<400> 2512

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gtacagagac agctgcattg ttgtggaatt cacaactact cagactggga aaatacagat 600
tggttcaaag aaacaaaaaa ccanantgtc ctcttagctg ctgcagaaan actgccanca 660
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<210> 2513

<211> 794

<212> DNA

<213> Homo sapiens

<400> 2513

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tcagcacgtg tattgaaatc ctgctggtag tgtatgacaa cgtcctcaag gatgccgtag 180
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ccttgatat gtgtcccggtg cccgtccctg catcccttag catgcatatg gccattgcag 480
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tggtcccccac cggctgcttt gacagatagg ccacctccag acctcacgaa gaaccttggg 600
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 aggnatccc tgaaaaacct tggaacgtgg gaaggtctgt gctcctttta aaataaaaact 720
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 cgttctggcc ncnt 794

<210> 2514

<211> 680

<212> DNA

<213> Homo sapiens

<400> 2514

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 aagangccct cgggtggtgcc catggctggc caggatcctg cgctgagcac gagtcacccg 180
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 tatttccact acgggctgaa cagccggaac aagccttccc tgggctggct ccagancgca 420
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 gaagaacttg aangccctct acgtggtgca cccaccagct tcatacaggt cctgtggaac 600
 atcttgaaac cctcatcag tcacaanttt gggaaaaaaa tctctatttc aactacctga 660
 ntnaactccn cnaacacctt 680

<210> 2515

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2515

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aaaaaaaaagc ccgagtgcag ccgcccggcg caggatggga tccggctcct ccagctaccg   60
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ctgcaactcc agcgacatca tggacctgtt ctgcatcgcc accggcctgc ctcggaacac  180
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tccagagacc atcgangccc tgcggaagcc ganccttgac gtctggcttt gggancccaa  660
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<210> 2516

<211> 748

<212> DNA

<213> Homo sapiens

<400> 2516

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ttctgtgcta tggctctggc tgacttcngg gcgcgtgtgg tacgcgtgga ccggcccggc  180
tcccgctacg acgtgagccg ctggggccgg ggcaagcgct cgctagtgtt ggacctgaag  240
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cccttccgcc gcggtgtcat ggagaaactc cagctgggcc cagagattct gcagcgggaa  360
aatccaagc ttatttatgc cagnctnagt ggatttgggc agtcaggaag cttctgccgg  420
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agtggtgaga atccgtatgc cccgctgaat ctcttgctg actttgctgg tggtagcctt 540
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 gtcattgatg caaatatggt ggaaagaacn gcatatttaa gttcttttct gtggaaaact 660
 canaaatcna antctgtggg gaacacctcc aaggacanaa catgttggat ggttgaaca 720
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<210> 2517

<211> 847

<212> DNA

<213> Homo sapiens

<400> 2517

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 ttcagccgtc ttctcctat gccacgtgct ctaccagaa ctgcagcaaa actgcatttt 180
 atgtcctgtg tctaaagcta aacacatggt cctgtctact ttgctttgt tctgtttcc 240
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 aaggaagcat ctgccgcttg gctgatttaa gaattgtgct gaattcctgc cccatcttgt 780
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<210> 2518

<211> 840

<212> DNA

<213> Homo sapiens

<400> 2518

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ttaaccattt tcaggtgtgt gggttcagtgg ccttgggtac agaccagtg ttacacagcc  180
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ctgctgccct gcggggccca tgcactgcaa acccgctgn ctcaaactgt tgcctgcgtt  780
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<210> 2519

<211> 826

<212> DNA

<213> Homo sapiens

<400> 2519

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cacagggtct tgccccctct ccggggcctg tgccagctcc cttccccccc cgttgtcctg  180

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 caggaattct acacttgcaa cctcgggcac tgtnggggaa ttgcattgcc ttggggcctc 720
 ttgggttggg gaaccatgga acaggccctg ggtccctttt cctaaccctt tgttcnggga 780
 aaaaaggtn ccaaaaaaga atttcttggc cnggttnggg naaaag 826

<210> 2520

<211> 697

<212> DNA

<213> Homo sapiens

<400> 2520

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cctgggccac cttccgaact ctatgcttga aggtnt

697

<210> 2521

<211> 853

<212> DNA

<213> Homo sapiens

<400> 2521

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<210> 2522

<211> 784

<212> DNA

<213> Homo sapiens

<400> 2522

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cagaagtgtt atttcacatt cagtgacttc agatatgcag accatagagc aggaatcacc 480
cattatggca aaaccaagaa aaaagtataa tgatgacagt gacgattcat attttacttc 540
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gatgacagtt cagattccta ttgggaaaaa agagaccagc aaagatactg aaacagttct 660
gaaaaccaca gggctattca gacagaccta ctgctcgccg caaagcccag attatgaacc 720
canttgaanaa ttacagatga aggccnanaa anaaatttgg gcaatgttca agggccattt 780
cntc 784

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<210> 2523

<211> 690

<212> DNA

<213> Homo sapiens

<400> 2523

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gaagctgagc taaggaaaca gaggcttgaa gaactaaaac agcagcagaa acttgacagg 420

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cagaaggaac tagaaaagaa aagaaaactt gaaactaatc ctgatattaa gccatcaaat 480
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 aaaagncatt gtccaaantg ganaaaaaaaa 690

<210> 2524

<211> 684

<212> DNA

<213> Homo sapiens

<400> 2524

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 taagcatgca ttgatggaaa cttc 684

<210> 2525

<211> 843

<212> DNA

<213> Homo sapiens

<400> 2525

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ccggcggaga tcatgaatca gacagataaa aatcaacaag aaatcccatc ataccttaat 180
gatgaaccac cagaaggttc aatgaaagat caccacagc agcagccagg catgttgtcc 240
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gaangttctc ataccttaag ttccaagggt tttatcttgg taaaatgtta cccttactcc 720
ggttggttaac tgaaaaaaat ggtatgtttt gaaataattt aataaaaant ctttcnagtt 780
tgaactaaaa aattgttnaa aaatttgnaa atttanttaa aaatgaatct tccccagttc 840
cca 843

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<210> 2526

<211> 293

<212> DNA

<213> Homo sapiens

<400> 2526

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accatnccat gacttcccac cgcgccctcg ctctacctc cccacacctc tctctcagtc 60
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atgacacccc ctccctgtc ctccccaac tccccagctc caagagtgga agaaatcccc 180
aagatcatct gggctctcct ctccnaacc agaactgagg ctnggatatc ttctnncaca 240
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<210> 2527

<211> 567

<212> DNA

<213> Homo sapiens

<400> 2527

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agcagggagg aagacaggca atccctccgg ctgtccgacc aagagaggcc ggccgagccc 60
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tcctgggagg aagangcagc tacggcggcg gcggcgggtg cggctanggc ggcggcgaat 180
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aangaattga atgatctggc acgggaccct ccancacagt gttcaacaag tcctgttggg 480
aaatgatatg ttccattggg caagcttaca ataattgggg nccaatnaac agtcctatc 540
anggtngaat tttttcttg acnattc 567

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<210> 2528

<211> 679

<212> DNA

<213> Homo sapiens

<400> 2528

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agcggagggtt ccgggctccg ggatgaaagg agggaaacgca gctggcagag agagaagttg 60
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tacactttca aagatcggtc acattcaggc cgtgtggctc aaggcatcat gaaactgtgt 180
ctagaggagg agctctttgc tgatgtcacc atttcggtgg aaggccggga gtttcagctc 240
catcggctgg tcctctcagc tcagagctgc ttcttccgat ccatgttcac ttccaacctg 300

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aaggaggccc acaaccgggt gattgtgctg caggatgtca gcgagtctgt tttccagctc 360
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 tatgaggtgt cagacatgta tcanctgaca tctctctttg aggaatgctc tcggtttttg 480
 gcccgcacag tgcaagtggg aaactgcctt cangtgatgt ggctggcana tcggcacagt 540
 gacctgaac tctatacggg tgccaagcac tgtgccaaga cccaccttgg cccagctgc 600
 agaatacana aggaatttct ccacttgccc caccgnttta ctncanata tcacctcgg 660
 atgganttcc gtgtttctc 679

<210> 2529

<211> 654

<212> DNA

<213> Homo sapiens

<400> 2529

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 gaaaggaggc taaaaagcgg ggtcacaaga agcctaggaa agaccagga gttccaaaca 180
 gtgctccctt taaggaggct cttcttaggg aagctgagct aaggaaacag aggcttgaag 240
 aactaaaaca gcagcagaaa cttgacaggc agaaggaact agaaaagaaa agaaaacttg 300
 aaactaatcc tgatattaag ccatcaaagtg tggaacctat ggaaaaggag tttgggcttt 360
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 aacttaaaaa ggtgattgaa gcctccgatg ttgtcctana ngtgttggat gccagagatc 480
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<210> 2530

<211> 327

<212> DNA

<213> Homo sapiens

<400> 2530

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agcttctctc gccatgcgtc ctcgtggaag gttcgtgtgc taattagatg ggcgccaggg 60
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gttccgcctg gggcctcggt ggcggcttgc actccccgac atgacggccg ctgccctntg 180
cagggccggc cggcgattgc ncntgtcctg ctctctctaa gcccgggacc gcgggatggg 240
tgtcggcgtg accatccctt aactccctgt ctctcctcan tgacatcnc tttaaaccct 300
ncntggtaat ccctgactca ccgcct 327

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<210> 2531

<211> 355

<212> DNA

<213> Homo sapiens

<400> 2531

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agaggaggat gacgaggac gagggatgag gatgaagatg aaattgaacc agcagcgatg 60
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gaggatgacg atgacgatga ggaagatgac tctgaagaag aagctatgga gactacacca 180
gccaaaggaa agaaagctgc aaaagttgtt cctgtgaaag ccaagaacgt ggctgaggat 240
gaagatgaag aagaggatga tgaggacgag gatgacgacg acgacnaaga tgatgaagat 300
gatgatgatg aagatgatga ggaggaggaa naanaggagg aggannagcc tgtcc 355

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<210> 2532

<211> 758

<212> DNA

<213> Homo sapiens

<400> 2532

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 agttatggct agtgctctga ctggttatct tcacactatt tcttctgaaa acttattgga 180
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 gcatactttg gatacttgct taaaacttga tgatactgtc tatctgaggg acatagcctt 360
 gtcactccca cagctgccgc gggagctgcc atcgtcacat acaaatgcaa aggtggcaga 420
 ggtgctgagc agccttctgg gaggtgaagg acacttctca aaggatgtgc acttgccaca 480
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 ttctgatgtg gatacaactt ctgctacaga tattcaaaga gtanctgtgc tatgtgtttc 600
 cagatctgct tattgtttgg gttcaagcca cccagaagg atccttgcta tgaaaatgcg 660
 gcatttgaat gcaatgggtt ttcattgtga tcttggtcaa taactgggaa aatggacnaa 720
 cttanaaaat gggaagatgc agtcccnttt ttgnaana 758

<210> 2533

<211> 780

<212> DNA

<213> Homo sapiens

<400> 2533

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 tatatgacag aagaaaaaga tgtcattccg taaagtaaac atcatcatct tggctcctggc 180
 tgttgctctc ttcttactgg ttttgacca taacttcctc agcttgagca gtttgттаag 240
 gaatgaggtt acagattcag gaatcgtagg gcctcaacct atagactttg tcccaaatgc 300
 tctccgacat gcagtagatg ggagacaaga ggagattcct gtggtcatcg ctgcatctga 360
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 tgtgattttc tacattgtta ctctcaacaa tacagcagac catctccggt cctggctcaa 480
 cagtgattcc ctgaaaagca tcagatacaa aattgtcaat ttgacccta aacttttggg 540

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 aggttctact tgccaattct ggttcccaa cgcaaaaaaa ggcctatcnt tggatganga 660
 atttattgtg caanggtgat attcttgccc ttacaatac naggacttga aaccaggaa 720
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<210> 2534

<211> 591

<212> DNA

<213> Homo sapiens

<400> 2534

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 aatgcctgca taaattttcc acccgggatt atatcatgga accctccatc ttcaacactc 180
 tgaagaggta ttttcaggca ggagggtctc caganaatgt tatccagctc ttatctgaaa 240
 actacaccgc tgtggcccag actgtgaacc tgctggccga gtggctcatt cagacagggtg 300
 ttgagccagt gcaggttcag gaaactgttg aagatcactt gaagagtttg ctgatcaaac 360
 attttgaccc ccgcaaagca gattctatct ttactgaaga aggagagacc ccagcgtggc 420
 tggaacagat gattgcacat accacgtggc gggacctttt ttataaactg gctgaagccc 480
 atccagactg tttgatgctg aacttcaccg ttaagcttat ttctgacgca gggtnccagg 540
 ggganatcac cagtgtgtcc acagcatgcc agcagctana antgttctcn a 591

<210> 2535

<211> 731

<212> DNA

<213> Homo sapiens

<400> 2535

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gttacaccgt ggcggaatgg ggtgtattga ttctgagcaa taaacaacac atttttaaca 120
 ttcaggattg acttctaagg actcttggtg catgaggaag aaacccgga ggggaagagg 180
 aaagcaaagg cgtcaggaat ggttcttcct caggtatitt ttctaaatgt gagatcaagg 240
 aattaccacc aaaaaaggag agtaatacag gagaaatatt ccagacagta atgttgga 300
 gacatgaaag ccacgacata caagattttt gcttcagaga aaccagaaa aatgtacatg 360
 actctcagt tctgtggaaa catgattgaa gacattataa gcgagtgcgt gtgacctata 420
 aggaaagtct cattggtaga agagacatgc atggtagaaa ggatgatgca caaaagcagc 480
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 aagctgaang gaaaatatat aaatatgatc acatggaaaa atccgtcaac agtagttcct 600
 taatttccc accccaacgt atttcttcta ctgtcaaaac ccacatttct catacatatg 660
 aatgttattt tgtggattcn ttattccnc caaaaganaa agccaatntt ggggacanaa 720
 cactaccaat t 731

<210> 2536

<211> 696

<212> DNA

<213> Homo sapiens

<400> 2536

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 aggggattgc cccggaagag ggaggcgtg acgcaaccac acccgcttga ggctctctat 180
 gaatctctga nagtcttaga gaaggacacg tctgccacat ccagtcagt taatggatca 240
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 gaaacatttt cttctttgaa atgggcaggt aagcccttg agctgtctcc actcgtctgt 360
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ctaaaatcgt ttcnaancct ttgtcacttg gaactccact tcctttccct naaggccgga 660
agaacttgaa aactattttc cttgaacnaa gnacaa 696

<210> 2537

<211> 715

<212> DNA

<213> Homo sapiens

<400> 2537

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ttgaacatgc gtaattaatc tttctgaata ggaaaaaata tatacacaac aaaactctcc 120
gtttatggaa catgcgcatt tgttctcagt aagtttttcg ttttgaaagt gagcatgcgc 180
atggtgagta ggttgggccg aagtttgaac cggacagaag cgctggtcgg cgtctggcgg 240
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cccgggctgt tcttgttgac atggaacca aagttatcaa tcaaacgctg tcaaaggctg 420
cccagtctgg ccaatggaaa tatggtcaac atgcatgctt ctgtcaaaaa caaggttctg 480
gaaacaactg ggcatatggt tactctgttc atggacccag gcatgaagaa tctataatga 540
acataatccg gaaggaagtg gagaaatgtg actctttcag tggttttttc atcataatga 600
gtatggctgg gggcacagga tcaggattan gaactttcgt tacacagaat ttanaanatc 660
agtntcaaaa ctcatgaaa atgaatcaga ttatttggnc ttatgggaac tgggtg 715

<210> 2538

<211> 451

<212> DNA

<213> Homo sapiens

<400> 2538

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ttagagcttg tggacaaatg tataggatca agaattcaca tcgtgaggaa gaggataag 120
 gaaattgttg gtactcttct aggatttgat gactttgtca atatggtact ggaagatgtc 180
 actgagtttg aaatcacacc agaaggaaga aggattacta aattagatca gattttgcta 240
 aatggaaata atataacaat gctggttcct ggaggagaag gacctgaagt gtgaatgagt 300
 ttccttgact tacactagat ttgttttgg ctataatgac aagaaaatgg aatttttttt 360
 cccactttct aatgttttaa tcccataaag ctaagtttcc cgttaaaagg ggaagtgcct 420
 tgaagaggtg taccantn ttgtaagtna a 451

<210> 2539

<211> 569

<212> DNA

<213> Homo sapiens

<400> 2539

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 cattgtgatt ggggcgggga tccagggtg cttcactgca taccacctgg ccaaacacag 180
 gaagaggatc ctctgctgg agcagttctt tctaccacac tcccgaggaa gctcccatgg 240
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 gtgctatcag atatggggcc agctggagca cgaggctgga acccaattgc acaggcagac 360
 tggattactg ctgctgggaa tgaaagagaa tcaagaatta aagacaatcc aggccaatct 420
 gtcgagggca gagggtagaa caccagtgtt ctttcatctg aggaactgaa gcaacgtttc 480
 ccaaataatc gggttgccca aggggagaag tggggctctt ggaaaaatc nggaggaggt 540
 taatctaag catnatnagg gccctcaga 569

<210> 2540

<211> 542

<212> DNA

<213> Homo sapiens

<400> 2540

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gatgtggtag tagggacccc atctcgcaact taagccactt gcagcaagac agcctgaaac 480
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tg 542
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<210> 2541

<211> 470

<212> DNA

<213> Homo sapiens

<400> 2541

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gatatcatat gctgtgtgtt cctgctcctg gccattgtgg gctacgtggc tgtaggcac 180
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gtgaaatgtg ccagccccct ggttctgctg gaattccaat gtcccactcc ccagatctgc 360
gtggaaaaat gccccgaccg ctacctcag tacctgaatg ctgcagctc ccgggacttt 420
ganactataa gcagttctgg gttcctggct tcaagaaaaa aaggnntggt 470
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<210> 2542

<211> 584

<212> DNA

<213> Homo sapiens

<400> 2542

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aaagtgtgat gagaggtcag gggaacatcc cagtaaaaga gaagagtcac aggaagctca   60
tctcctccct ggatttctgga ttaggagctt ctgaatcttt tccagggata ggcaggtagc  120
tcactcttgg tgcaatttct tgaggatggg aacatgtaga gctgctggaa ggagtaattc  180
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caaaaacaaa cacacaaaaa actgagaact ctgctgtttc agatatgcca taacatacat  360
ctgaaacaca tgtgtaacaa tcaaaatggg gggctctaga atggtttttg agctcgagat  420
cttcatgggt tagacttgct ggtcagaccc aggagcacct gtggctcaca ctttctgttc  480
ccctcctggc ctgtgcagaa tgtaaacngc agactcatac tcaatgggca ctacaggcct  540
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<210> 2543

<211> 472

<212> DNA

<213> Homo sapiens

<400> 2543

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agagaactgc cgcttgccgc cattgacacg cacagataga acccaaagaa aggcaaagag   60
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gcaccggggcg ccgggagcag gcggcgacac ccagcattgt gttagtgccg ggaggccact  180
gtgtcagcaa gctgagaggg aaactgaagc aagatgtcgg gccggagtgg gaagaagaaa  240
atgtccaagc tgtcccgttc agctagggca ggtgtcatct ttccagtggg gaggctgatg  300
cgttatctga agaaaggac gttcaagtac cggatcagcg tgggcgcccc tgtctacatg  360
gcggcagtcg ttgagtacct ggcagcggaa nttctagaat tggccggcaa tgccganaag  420

```

gacaacaaga aggcccggt agccccgaga cacatcttgc tggcagttgc ca 472

<210> 2544

<211> 517

<212> DNA

<213> Homo sapiens

<400> 2544

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tatcagagtg cctgtgttca agtaactctt attttgcctca gtggccccag attgcaagag 180
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tactatgcct agtcataaa ttaaactttc tcataagtat gtatgtatag ggaaaaaac 300
aacatatata tgggtttcgg ttctatctac gggttcaggc atccactggg gtcttggaa 360
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<210> 2545

<211> 460

<212> DNA

<213> Homo sapiens

<400> 2545

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taccggctt tactcactga cattcctgtt ggagacttac atccagggga acagctggaa 120
aaaatgttgt atgttcgctg tggacagtg ggttcagaa tgtttcttgt atatgtttct 180
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 agtgcctcac cctgggccct cactaatgtt tccagtgage tccagcttgc tcccatccat 420
 gaccacntgg accantcgag tctcangtgg gccatggtaa 460

<210> 2546

<211> 167

<212> DNA

<213> Homo sapiens

<400> 2546

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 tgctcccaca gggcagcacc atgtngcccc tgtngctctg ctgggcactc tgggtgctgc 120
 ccctggctgg ccccggggcg gcngtgaccg aggagcagct cctgggg 167

<210> 2547

<211> 472

<212> DNA

<213> Homo sapiens

<400> 2547

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 gaaggaaatt ggtccagatg acatgaatat ggaagagtac aagaagtggc atgaagatta 180
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 gatgaagggg ccccgccggg gggtaaaga atccgtgatt gctttatacc gaagaaaatg 360
 cttctggag ctgaatgcca aagcagcttc tctttttgaa acaatgatga tcaactccgta 420
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<210> 2548

<211> 476

<212> DNA

<213> Homo sapiens

<400> 2548

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gcagtcgctg cagccgccgc gggaggcgct cgtgacaaga tgaagctcat catcctggag 60
cactattctc aggcgagcga gtgggaggct aaatacatca ggaaccgtat catccagttt 120
aaccaggggc cagagaagta cttcacccctg gggctcccca ctggccttcc tcgagacnac 180
ccggagagtt accactcctt catgtggaac aacttcttca agcacattga catccaccca 240
gaaaacgccc acattctgga tgggaatgca gtcgacctac aggcagaatg tgatgccttt 300
gaagagaaga tcaaggctgc aggtgggata gagctatttg ttggaggcat cggccctgat 360
ggacacattg cttcaacga gccaggctcc agtctggtgt ccaggaccgc tgtgaagacg 420
ctggccatgg ataccanctg gccatgctan gntcttcgat gggagaactt caccaa 476
```

<210> 2549

<211> 465

<212> DNA

<213> Homo sapiens

<400> 2549

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aatccgccgc cgctgggag gggaccggg ctgccaggcg cccagctgtg cccagatgga 60
tgggacagag acccggcagc ggaggctgga cagctgtggc aagccagggg agctggggct 120
tcctcacccc ctcagcacag gaggactccc tgtagcctca gaagatggag ctctcagggc 180
ccctgagagc caaagcgtga cccccaagcc actggagact gagcctagca gggagaccgc 240
ctggtccata ggccttcagg tgaccgtgcc cticatgttt gcaggcctgg gactgtcctg 300
ggccggcatg cttctggact atttccaggc caacactgga caaattgatg acccccagga 360
gcagcacaga gtcacagca gcaacctggc cctcatccag gtgcanngcc actgtctngg 420
gttcttggt gtgtggctgc gctgctgttt gggcgtgggt gtttc 465
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<210> 2550

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2550

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agaagggcaa cctcgtgctt tctgcagagg agaccggagg gcagaaggca gagtccaggc   60
ttagactgca gttcctcgct tacctgtgca gtctaatttt gagctgcctc tttgtagtct  120
taaaaggcag gagcttcgtg ttgtgggtct gctaaccctg acgtttccgt gggcaagtcg  180
tgtgtactcc tcgcatggc tcagctccaa acacgtttct acactgataa caagaaatat  240
gccgtagatg atgttcctt ctcaatccct gctgcctctg aaattgccga ccttagtaac  300
atcatcaata aactactaaa ggacaaaaat gagttccaca aacatgtgga gtttgatttc  360
cttattaagg gccagtttct gcgaatgcc ttggacaaac acatggaagt ggggaacatc  420
tcatcagaag aagttgtgga aatagatacg tggagaagtg taccgcaccc cagccagagc  480
aagcaagttc cagatgacgg nncagttcaa ttaaagggca gagganggat ctgactggtc  540
ctatgtaagg ctctcgg                                     557

```

<210> 2551

<211> 591

<212> DNA

<213> Homo sapiens

<400> 2551

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agaagggcaa cctcgtgctt tctgcagagg agaccggagg cagaaggcag agtccaggct   60
tagactgcag ttcctcgctt acctgtgcag tctaattttg agctgcctct ttgtagtctt  120
aaaaggcagg agcttcgtgt tgtgggtctg ctaaccctga cgtttccgtg ggcaagtcgt  180
gtgtactcct cgccatggct cagctccaaa cacgcttcta cactgataac aagaaatatg  240
ccgtagatga tgttccttc tcaatccctg ctgcctctga aattgccgac cttagtaaca  300

```

tcatcaataa actactaaag gacaaaaatg agttccacaa acatgtggag ttgatttcc 360
 ttattaaggg ccagtttctg cgaatgccct tggacaaaca catggaagtg gagaacatct 420
 catcagaaga agttgtggaa atagatacgt gggaagtgtg cgcaccccca gccngagcaa 480
 tgcaggttcc atgatgactg gatcagtcca ttaaagggca aggatggatc ttgacgggtc 540
 ctatgaaaag cctncggatn gggcctggaa ggaagncaaa atgcatgtg g 591

<210> 2552

<211> 443

<212> DNA

<213> Homo sapiens

<400> 2552

gggagcttcg gacccggaag tggcgccctg ggctcgcggc ggtgtcgcgg ggatggcggg 60
 agccggagct ggagccggag ctcgcggcgg acggcggcgg gggtcgaggc tcgagctcgc 120
 gatccaccgc ccgcgcaccg cgcacatcct cgccaccctc ggcttgcggc tcagccctcg 180
 gcccgcagga tggatggcgg gtcagggggc ctgggggtctg gggacaacgc cccgaccact 240
 gaggtctttt tcgtggcact gggcgcgggc gtgacggcgc tcagccatcc cctgctctac 300
 gtgaagctgc tcatccaggt gggatcatgag ccgatgcccc ccacccttgg gaccaatgtg 360
 ctggggagga aggtcctcta tctgccgagc ttcttcacct acgccaagta catcgtgcaa 420
 ttggatggtg agaangggnn ttc 443

<210> 2553

<211> 503

<212> DNA

<213> Homo sapiens

<400> 2553

aaaaaatgc ttctgtgctc taagatatat atgtgtgtgt gtgtgctaca tatatatatt 60
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ggtttgattc actgactgac ttggaagctg catctgccag ttacacccca aatggcttta 180
atccccctctc ggggtctgggt gcctttttgca gtttgggttg tggactcagc tcctgtgaag 240
ggctctgggtta ggagagagcc atttttaagg acaggaggtt ttatagccct tttctacttt 300
cctccccctcc tcccagtcct tatcaatctt ttttcctttt tcctgacccc ctccttctgg 360
aggcagtttg gagctatcct tgtttatgcc tcactattgg cagaaaagac cccatttaaa 420
accagagaaa cactggaggg gangcccaa gtnggtccgg ggccaattnc cccgggccaa 480
aacagacaga cagaagcgag aga 503

<210> 2554

<211> 573

<212> DNA

<213> Homo sapiens

<400> 2554

ctgggcgcgc ggaacaaatc cactcctgga gcccgcggac cacgagcacg cgcctgacag 60
cccctgctgg cccggcgcgc ggctcgcca ggccagctat ggccccgac ccggtggccg 120
ccgagaccgc ggctcaggga cctaccccg cgtacttcac ctgggacgag gtggcccagc 180
gctcaggggtg cgaggagcgg tggctagtga tcgaccgtaa ggtgtacaac atcagcgagt 240
tcaccgccc gcatccaggg ggctcccggg tcatcagcca ctacgccggg caggatgcca 300
cggatccctt tgtggccttc cacatcaaca agggccttgt gaagaagtat atgaactctc 360
tcctgattgg agaactgtct ccagagcagc ccagctttga gcccaccaag aataaagagc 420
tgacagatga gttccgggag ctgcgggcaa aattggacgg atgggctcat gaggcaacca 480
gtcttcttcc tgtgtactgc tgcacatctt gctgctgatg gtgcacctgg ctcacctttg 540
gctttggngg ncttttgcct cctctcnggg ggg 573

<210> 2555

<211> 554

<212> DNA

<213> Homo sapiens

<400> 2555

```

cttgtagttc gtggtctgag accaggcctc aagtggaaac ggcgtcacca tgatcgcacg   60
gcggaaccca gaacccttac ggtttctgcc ggatgaggcc cggagcctgc ccccgcccaa  120
gctgaccgac ccgcggctcc tctacatcgg cttcttgggc tactgctccg gcctgattga  180
taacgtgata cggcggaggc cgatcgcgac ggctggtttg catcgccagc ttctatatat  240
tacggccttt ttttttgctg gatattatct tgtaaaacgt gaagactacc tgtatgctgt  300
gagggaccgt gaaatgtttg gatatatgaa attacatcca gaggattttc ctgaagaaga  360
taagaaaaca tatggtgaaa tttttgaaaa attccatccc aataacgttg aaagtcttca  420
aaaatgcttg cccaagttt ccactggaaa ccgggcggtt ccggaaatta gagggaaaag  480
ngttcctaata ggcagntgaa agcctatgcc aaatccgtaa ggttgacacc cttgtaatta  540
aaatacgtac catg                                                    554

```

<210> 2556

<211> 456

<212> DNA

<213> Homo sapiens

<400> 2556

```

agccggctcg ggaaagaatc cccaagctc catttcatga gtaagcgtga gagccgctca   60
gtttcctcca gctctgctga agccagcaca gaagtagccc aaactcttcc ctctgctgac  120
agcaaatttt aggcaaagtc atgagaaaga agaaattggg tccagaaagg gaagtgagga  180
gaatcagatc ccagaccttt ggggagaagg agcaaccgcc tctggcacag cccatcaggg  240
agaaagagca ggttgagaag agtcctaagc taacagcccc aaacagggtg gcgttgctca  300
gtccctgag gcatgtggtt gtaaggcaga acccacagac cttgcaggaa gaaggctctc  360
ggggccatgg ccaggtcag catcaacaat gactacagcg agtgggactt gagcacggat  420
gccggggagc gggctcggnt gttgcanaat cccgnt                                456

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<210> 2557

<211> 578

<212> DNA

<213> Homo sapiens

<400> 2557

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cggaggtagac ggagcggcgg ccccgcccgg tgcgctggag gtcgaagctt ccaggtagcg 60
gcccgagag cctgaccag gctctgggca tcctgagccc aagtccccca cactcagtgc 120
agtgatgagt gcggaagtga aggtgacagg gcagaaccag gagcaatttc tgctcctagc 180
caagtcggcc aagggggcag cgctggccac actcatccat cagggtgctgg aggcccctgg 240
tgtctacgtg tttggagaac tgctggacat gccaatgtt agagagctgg ctgagagtga 300
ctttgcctct acctccggc tgctcacagt gtttgcttat gggacatacg ctgactactt 360
agctgaagcc cggaatcttc ctccactaac agaggctcag aagaataagc ttcgacacct 420
nctcagttgt caccctggct gctaaagtaa aagtgttaanc ccatatgcag tgttgctgga 480
ggctcttgcc ctgggtaaat gttgcggcaa ctgggaaaga ccttgatgatt gaaggctgtg 540
taatgctgaa cgtgcttcgt ggctnccng gaacagcg 578
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<210> 2558

<211> 571

<212> DNA

<213> Homo sapiens

<400> 2558

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cgttccgcgc tgcgccgcc gtcgtgcgtg ccgctcggcg gaggggacgg gcctgcgttc 60
tctcctcctt cctccccgcc tccagctgcc ggcaggacct ttctctcgt gccgctggga 120
ccccgtgtca tcgccaggc cgagcacgat gccccctaaa aaggaggtg atggaattaa 180
accaccccc aatcattgaa ggtttggaac ctactgaaa attggtattg ttggattgcc 240
aatgctggg aatctactt tctcaatgt gtaaccaat agtcaggctt cagcagaaaa 300
cttcccgttc tgactattg atcctaata gagcagagta cctgtgccag atgaaaggtt 360
tgactttctt tgtcaatacc acaaaccagc aagcaaaatt cctgccttcc taaatgtggt 420
```

ggatattgct ggccttgatga aaggagctca caatgggcaa ggccttgggg aatgcctttt 480
tatctcatat taagtgcctg tggatggcat ctttcatcta acacgtgctt tngaaagatg 540
atgatatcac gcacgttgga agggangngt a 571

<210> 2559

<211> 481

<212> DNA

<213> Homo sapiens

<400> 2559

atttaccat gactctgctc cgtttttgga gcagactgtt ttaagttgct caggagcctg 60
atggaacat gaaccgagac tcttctctgt ttctgcca gacctcatct gcactaatgc 120
cttctccctg naccttgaca cttccccctt tagctataaa agcacttacc agccgaacgt 180
ggaacagtat cacaaaagat tccatctccc aacgatttca gaactctgag ctcagagaga 240
ctccagattt taaaaaataa ttgagtgtg tggaaactat tagcttttta agttccttcc 300
aaatatgtta gtacctaccc ttacttttt cccaagacc atctcagggt ggagcattct 360
gtctaagaga agaaagataa ggttgctccc acccancctt cccaagggn gacattaaac 420
atctttgtgc ttggaaggag agtggaattt tgggatagtc ctgtgatttc cngactaact 480
t 481

<210> 2560

<211> 417

<212> DNA

<213> Homo sapiens

<400> 2560

atttaccat gactctgctc cgtttttgga gcagactgtt ttaagttgct caggagcctg 60
atggaacat gaaccgagac tcttctctgt ttctgcca gacctcatct gcactaatgc 120
cttctccctg accttgacac ttccccctt agctataaaa gcacttacca gccgaacgtg 180

gaacagtatc acaaaagatt ccattctcca acgatttcag aactctgagc tcagagagac 240
tccagatttt aaaaaataat ttgagtgtt ggaaactatt agctttttaaa gticcttcca 300
aataatgtag tacctaccct ttactttttc cccaagacca tctcagggtg gagcattctg 360
tctaagaggg aaagataagg aggctccac ccantctcc caagagcggg ggnaana 417

<210> 2561

<211> 525

<212> DNA

<213> Homo sapiens

<400> 2561

acttccccgg gagccggaag tcccgtctca cggttgccct ggcagcgcgc gaggctgggtg 60
agtcggcagc cctgtggcag ccggcgggct gggttccatg gttgcacgat taggaaccac 120
cagctgctgc atcccatggc caggggtggc gtccagggtg cagagcagct aggaacgcaa 180
ggcctgaacc tggggccaga caccctgctc tcccggccat ggtcaacgac cctccagtac 240
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tgctgcagtt tggggtgctc ttctgcacca tctctctttt gctctgggtg tctgtcttcc 360
tctatggctc cttctactat tctatatgc cgacagtcag ccacctcagc cctgtgcatt 420
tctactacag gaccgactgt gattcctcca ccantcact ctgtccttc ctgttgccaa 480
tgtctcgctg ataagggtgn acgtaatcgg ggntgaagta tggaa 525

<210> 2562

<211> 547

<212> DNA

<213> Homo sapiens

<400> 2562

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cgcgcgatgt gcagcgggtg ctagtgcagt tccaggatga gggcgggcag ctgctgggtt 120

ccccgttcga cgtgcccggtg gacatcaccc cggacaggct gcagctcgtg tgcaacgcgc 180
 tactggccca ggaggatccc ctgccactgg ctttctttgt ccacgatgct gagatcgtct 240
 cctcactggg gaagacgttg gagtcccagg cagtggagac agagaaggtc ctagacatca 300
 tctaccagcc acaggctatc ttcagagtcc gggctgtgac tcgctgcacc agctccttgg 360
 agggtcacag tgaggcagtc atttctgtgg ccttcagccc tacgggaaag tacctggcca 420
 gtggctctgg agacaccacc gtgcgcttct gggatctcag cacagagaca ccacatttca 480
 catgcaagga cacngacact gggtccttag gaaatccngg ntccaatggc aaaaactggc 540
 tcaagct 547

<210> 2563

<211> 575

<212> DNA

<213> Homo sapiens

<400> 2563

gcttccggca ccggccgagg tcgggtcgcc tccagagatc ctgtgccttc aaaccctacg 60
 agtccatact ttaaaacaaa atgaagaaag taaggcttaa ggaactagag agtcgcctgc 120
 aacaagtgga tggatttgaa aagcccaagc tacttctggg acagtatcct accaggccgc 180
 acattgcagc atgtatgctc tatacaatcc ataacactta tgatgacatt gaaaataaag 240
 tcgttgca ga tctaggatgt ggttgtggag tacttagcat cggaactgca atgttaggag 300
 cagggttgtg tgttggattt gacatagatg aagacgcatt ggaaatattt aataggaatg 360
 cagaagagtt tgagttaaca aatattgaca tggttcaatg tgatgtgtgc ttattatcta 420
 acagaatgtc caagtcattc gatacagtaa ttatgaatcc tccctttggg accaaaaata 480
 ataaagggac agtatggctt tccaaagncg ccttggaat ggcaagaccn ccgtatatcc 540
 ctanaccaat cccactggg gactgtccaa gaaag 575

<210> 2564

<211> 496

<212> DNA

<213> Homo sapiens

<400> 2564

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ggaaggtgcg tccgagccat ggccgctgcc aaccggtggg acccggcgtc cgcgcctaac 60
ggcgcctgggc tagtgctagg ccacttcata gcttcgggga tggatcaatca ggagatgtta 120
aacatgtcta agaaaacagt ttcttgtttt gtgaacttca ccagactaca gcagatcaca 180
aatattcaag ctgaaatcta ccagaaaaac ctggaaattg aactcctgaa actagaaaaa 240
gatacagcag atgttggttca tcctttcttt ttggctcaga agtggtcatac tctgcaaagc 300
atgaataatc atttgaagc agtgctgaaa gagaagagat cccttaggca aagactgttg 360
aaacccatgt gccaggaaaa cttacctatt gaagctgttt atcacagata tatggtacat 420
ttgctggagt tggctgtgac ttctattgag agattagaaa cccaccttga aacaattagn 480
ntattccnca tttagc 496

```

<210> 2565

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2565

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atctttctcac cgaagcttag tacagcgggt tgaacaatt tctctaggtg agcacccttg 60
tgacagagga gaacaagtaa ctctcttctt cttcaatgat tgcctagaga tagcaagaaa 120
acggcacaag gttattggca cttttaggag tcctcatggc caaacccgac cccagcttc 180
tcttaagcat attcacctaa tgcctctttc tcagattaag aaggtattgg acataagaga 240
gacagaagat tgccataatg cttttgcctt gcttgtgagg ccaccaacag agcaggcaaa 300
tgtgtacttc agtttccaga tgacatcaga tgaacttcca aaagaaaact ggctaaagat 360
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tgctgatcca gaatcctttg aagtaaatac aaaagatatg gacagtacat tgagtagagc 480
tcaagggcaa taaaaaggnc ttcaaaaagg gtacagggna ttccctttct ccaaactcca 540
aaagggctct tcgangg 557

```

<210> 2566

<211> 471

<212> DNA

<213> Homo sapiens

<400> 2566

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gaaagactgg agccgtttcc ttgtggctgg agcgcttccc gtagcctcgg ggaaggagca   60
ggatttagag gaccactagt tggaccccat cctcgtgctg gaggaacagg aacctctttc  120
aggagctata aaagaaaggg gggaatcatg tccacaattg cagctttcta tggcggcaag  180
tccatcctca tcacgggggc cacaggcttt ctgggcaaag tgctaattga gaagctgttt  240
cgcaccagcc cagacctgaa agtcatttac atccttgtga ggccaaggc tggccagaca  300
ctgcagcaga gggttttcca gatcctagac agtaagctat ttgagaaagt caaagaagtt  360
tgtccaaatg tgcatgagaa gatcagagct atttatgcag atctcaatca gaatgacttt  420
gcccatcagc aaagangana tgcaggagct tctctcctgt aacaaacnag a           471

```

<210> 2567

<211> 516

<212> DNA

<213> Homo sapiens

<400> 2567

```

cgcgatggag gccgccgccc agttcttcgt cgagagcccc gacgtggtct acggccccga   60
ggccatcgag gcgcaatacg agtaccggac gacgcgcgtc agccgcgagg gtggcggttct  120
caaggtgcac cccacgtcca cgcgcttcac ctccggacc gcccggcagg tgccccggct  180
cggggtcatg cttgtcggct ggggcgggaa caacggctcc acactaccg ccgcggtgct  240
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ggctcgtga ctcaggcggg caccgtgagc ctgggcctgg acgccgaggg ccaggaggtg  360
ttcgtaccct tcagcgcggt gctgccccatg gtggcgccca acgacctcgt gttcgatggc  420

```

tgggacatct cgtcgtgaac ctggccgaag cgatgcggcg cgcgaaagtg ctggaactgg 480
ggcttcaaga agaaattttg ncgaanatga ggnccct 516

<210> 2568

<211> 529

<212> DNA

<213> Homo sapiens

<400> 2568

gttgccaggg agcggcgcgn gagccctgag gggactgcgg cggctgcgcg gaggagcgag 60
gcgcttgctg gggctcgggc tgcgcgacgg cgcaagggct gcggggagcg ccgcgcaggg 120
cgtgcagttc ctagcgagga ggcgccgccg ccattgccgc tctctcggtg agcgcacccc 180
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tccaagaccg tgctggtcct tctcaacctc atcttctggg gggcagctgg cattttatgc 300
tatgtgggag cctatgtcct catcacttat gatgactatg accacttctt tgaagatgtg 360
tacacgtca tccctgctgt agtgatcata gctgtaggag ccctgctttt catcattggg 420
ctaattggct gctgtgccac aatccgggaa agtcgctgtg gacttgccac gtttgtcatc 480
atcctgcncct tggtttttgt cacagaagtt gtttagtggg tttnggana 529

<210> 2569

<211> 520

<212> DNA

<213> Homo sapiens

<400> 2569

accacgcgtc tcatccatgg cttccgcgga ctgcgcgccg ctggcagatg gcggcggtgc 60
cgggggcacc ttccagccct acctagacac cttgcggcag gagctgcagc agacggaccc 120
aacgctgttg tcagtagtgg tggcggttct tgcggtgctg ctgacgctag tcttctggaa 180
gttaatccgg agcagaagga gcagtcagag agctgttctt cttgttggcc tttgtgattc 240

cgggaaaacg ttgctctttg tcaggttggt aacaggcctt tatagagaca ctcagacgtc 300
cattactgac agctgtgctg tatacagagt caacaataac aggggcaata gtctgacctt 360
gattgacctt cccggccatg agagtttgag gcttcagttc ttagagcggg ttaagtcttc 420
agccggggct attgtgtttg ttgtggatag tgcagcattc cagcgagang tgaaagatgt 480
ggctgagttt ctgnatccaa gtccccatt gacatanggg 520

<210> 2570

<211> 544

<212> DNA

<213> Homo sapiens

<400> 2570

actctgctgc cggtttctcg gagcggcgct gggcgaccag agcagggtcg agatgtccta 60
catcccgggc cagccgggtca ccgccgtggt gcaaagagtt gaaattcaca agctgcgtca 120
aggtgagaac ttaatcctgg gtttcagcat tggaggtgga atcgaccagg acccttccca 180
gaatcccttc tctgaagaca agacggacaa ggtgaggggg tctgggggtcc tgggaccgct 240
ccatggggca caggggcctg agatggtggg tctctgcttc ctgggcctgc atggaaggaa 300
cagacttcat ctctcaaacc atgctctcta agaaggcatc ggaagtgacc tagtgagaat 360
aaggacgggt ggggtgagga agggctgctc agacagagcc caggaggagc aggaggcggc 420
catcagcagg gccggtgcat ggtggtgcag caactctgcc ccggctctct cagaacatcc 480
tactgacca tatgtgctgg gaaaagctgg gttcaaggga aaaaggacgg ctaaaaatnn 540
ncca 544

<210> 2571

<211> 587

<212> DNA

<213> Homo sapiens

<400> 2571

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 gacgaagcag gacctaggtg gcggcggttg taccggctgc aatgggtgcc aatcccgtgc 120
 atggcttgcc ctttcttccg ggcacgtcct ttaaggactc tacgaaaaca gccttccaca 180
 gaagtcagac gctgagctac aggaacggct atgcaattgt tcgacgtcca acagttggga 240
 taggcggaga ccggctccag ttcaaccagc tgtcccaggc tgagctggat gagttggcca 300
 gtaaggcacc agtcttaact tatggccaac ctaaacaagc cccacctgcg gattttattc 360
 ctgcgcatgt ggcctttgac aaaaaggtagc tgaaatttga tgcctatttc caagaagatg 420
 ttccnatgtc aaactgagga accagtatan gggttccgtc aggtgaacat ttantaatta 480
 atctagaaag atgaccagca tgtctgtcat aagagcctgt tgtagaaaat tctgggaatc 540
 cttcaagggc aagttaatta aaaccgccag cggggtagcc aagaatt 587

<210> 2572

<211> 690

<212> DNA

<213> Homo sapiens

<400> 2572

tcttccaaca gnaacgttgg gaagacgagc aatatctttg ggctgcagag gatcttccca 60
 gccggctcca ttcccctaac caggccagcc cattccactt cagtgtccat gtccaggctg 120
 tcaactgccct ccaaaaatgg ttcaaagaag aaaggcctga agcccaagga actcttcaag 180
 aaggcagagc gaaagggcaa ggagagttca gccttggggc ctgctggcca nttgagctat 240
 aatctcatgg acacatacag tcatcaggca ctgaagacag gctctttcca gaaagcaaag 300
 ttcaacatca ctggtgcctg cttgaatgac tcagatgacg actcaccaga cttggacctt 360
 gatggaaatg agagcccatt ggccctattg atgtctaacg gcagtacgaa aagggtgaag 420
 antttatcca aatctcggcg aaaccaagat agcaaagaaa gtagacaagg ctaggctgat 480
 ggcagaacag gtgatggaag acgaatttga cttggattca gatgatgagc tgcagattga 540
 cganagattg ggaaaggaga aagggaccct gatnataaga caaaatttcc ccgggaaatt 600
 gcccgtagca anccttgctc tgaaccaaac ccganttctg gaancaggaa aaatttaatt 660
 ttgacatttg aaggaangac tattccnacc 690

<210> 2573

<211> 760

<212> DNA

<213> Homo sapiens

<400> 2573

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aattactatg aaattctggg agtttctcga gatgctagtg acgaagagct taagaaagct   60
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gctttcaaag caataggaaa tgcatttgca gtcctgagca atcctgataa gagacttcgc  180
tatgatgaat acggagatga acaggtgact ttcactgccc ctcgagccag accttataat  240
tattacaggg gatthtgaag ctgacatcac tccagaagag ctgttcaacg tcttctttgg  300
aggacatttt cctacaggaa atattcatat gttttcaaat gtgacagatg acacttacta  360
ttaccgtcga cggcaccgac atgagaggac acagactcag aaggaggagg aagaagagaa  420
acctcagact acatattctg catttattca gctacttcca gttcttgtga ttgtgattat  480
atctgtcatt actcagctgc tggctactaa tccccatat agtctgttct ataaatcgac  540
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aaaactttga caagggtac angaaggagc ttctctgcct tgactttggg agaaaaccat  660
tanaaaaagg attaccttg attatntcca gactagttgt ttgggaangg anaaaccaca  720
aaagtccgaa ctgaacaaat tttggggcng ggatttttcc                          760

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<210> 2574

<211> 629

<212> DNA

<213> Homo sapiens

<400> 2574

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gtgactgtgg agtttgaatt ggggtggcgg tgactgtaga gccgctctct ctactggca   60
cagcgaggtt ttgtcagcc cttgtctcgg gaccgcagcc tccgccgagc gccatggctc  120

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ctaggaaggg cagtagtcgg gtggccaaga ccaactcctt acggaggcgg aagctcgcct 180
 cctttctgaa agacttcgac cgtgaagtgg aaatacgaat caagcaaatt gagtcagaca 240
 ggcagaacct cctcaaggag gtggataacc tctacaacat cgagatcctg cggctcccca 300
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 tggaagangc ggcaacagct gacctggata tcaccgaaat aaacaaacta acagcagaag 420
 ctattcagac acccctgaaa tctgccaaaa cacgaaaggt aatacaggta gatgaaatga 480
 tagtggaaga ggaagaagaa gaagaaaatg aacgttagaa tcttcaaact gcaagantca 540
 aaaggtgtcc tccatccaan aagaaaactc agtccatacn aggaaaanga aaagggaaaa 600
 ngtcaagccg tgctaact gttacccca 629

<210> 2575

<211> 732

<212> DNA

<213> Homo sapiens

<400> 2575

cttccgggtg agggtcctgc agcccgtgaa tccctggctc cgccgagact tggacctggt 60
 gcgaactgga ggcaagcgg gtgcaccac aacctatagg aagggtggc ggcgagctct 120
 gagcactcgg gcgtcggagg gaacgctctg ctttcaacac tcttggcctt ttctcaagag 180
 aacatgaaaa tgaaaaaatt tcagatacca gtttcattcc aggacctgac tgtgaacttc 240
 acccaagagg aatggcagca actggaccct gctcagaggc tcctgtacag ggatgtgatg 300
 ctggagaact acagcaactt ggtctctgtg gggatatcatg ttagcaaacc agatgtgatt 360
 ttcaaattgg agcaaggaga agagccatgg atagtggagg aattctcaa tcagaactac 420
 ccagacattg atgatgcctt agagaagaac aaggaaatcc aagataaaca ttgacacaa 480
 actgtattct tcagcaacaa aacactgatt acagaaagan agaattgatt tggggaaaca 540
 cttaatctgg gcatgaatag tgttccctca agaaaaatgc cctataaatg tnatccanga 600
 aggaaacagt ttgaaaacta attcagaagt tattgttgcc aagaaaaccn anaaaacana 660
 aagattcctg atggataccg tgggatttgg ggaancatna aaaaaagtcc tttggggaaa 720
 tgaaaaaatt cc 732

<210> 2576

<211> 825

<212> DNA

<213> Homo sapiens

<400> 2576

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ttgttcagtc ctcaattggt ggacattttt tttattataa tgatgccatg atgatcgttt   60
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taataatgag cttcattgat ttgtaaatta tattatcttt gagattatat tcaaagctat  180
aaaatcatca actcttagga tcacaggcaa cctcaaaagt tgtctagttc ccatctattc  240
ctcgaccctc tctacggagt ttgtataaaa cccatatttt cattacttcc taactctgat  300
aattataggg gatataattt aaggattaaa actagtatct taaatgtttt tatatcagtc  360
agtttaaaaa ctaatatcca gtttagtctt tcagaacttt gagtcacgaa atgcatcttt  420
aaaagcaggg tacatttatt gaaataaaac actctacagt gatctggatc tttttttaat  480
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cataggtata cacgtgccac ggtgggtttac tgcacccatc aacctgtcat ctacattagg  600
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gtgatgtttg gatcgTTTTT tttccttgna acattacaaa cgttaggtac attacccttt  720
tcctgtttgg tttgccaaac attattgaaa ttgtTTTTTT tcccgaiaan aaaggaattt  780
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<210> 2577

<211> 755

<212> DNA

<213> Homo sapiens

<400> 2577

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atttcatgg tcagtagcaa cttttggttc aaatatccca aaacatgctc aaaagtagaa   60

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cattttgttt caatattagg aaagtgtttt gaatccccctt ggacgacaaa agcgttgtct 120
 gagacagcat gcgaagactc agaggaaaac aagcagagaa taacaggtgc ccagactcta 180
 ccaaagcatg tttctaccag cagtgtatgaa gggagcccca gtgccagtac accaatgata 240
 aataaaactg gctttaaatt ttcanctgag aagcctgtga ttgaagttcc cagcatgaca 300
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 cgtgcccntg tggaagatan tgacttgatc tataaactct atgtgggtcca aacagttatc 420
 aaaacagcca agtncatttt tattctctgc tatacagcga actttgtcaa cgcaatcagc 480
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 gtttatggct ttatctgcct ctacactctc ttctggttat tccggatacc ttigaaagga 660
 atattctttc naaaaaagtc ngaaaaanaa aaacagtttt agtgacattc caaaatttca 720
 aaaaacnaat ttgggnttcc tccttcccat gggtta 755

<210> 2578

<211> 576

<212> DNA

<213> Homo sapiens

<400> 2578

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 ggtggcacia tggagcagc tccaggagag ggccccagcc ccagccccat ggaccagccc 120
 tctgtccct cccagccac tgaccagccc cccgtgctc acgcaaagcc agaccaggt 180
 tctgggggcc aacctgctgg ccctggcgcg gcgggtgagg ccctggcggg gctgacttca 240
 ttccggaggc gggtgctggg gctgatacct gtgtatttgg ccggggcagt gggactcanc 300
 gtgggtttcg tgctcttcgg cctcgccctc tacctgggct ggccgggggt ccgcgacnag 360
 aaagaacgga gccttcnagc agcgaggcag ctactggacg acgangagca gctcactgcg 420
 aaaactctct atatgagtca tcgagagcta cctgcctggg tcagcttccc agacgtggaa 480
 aaggctgaat ggctcaataa nattgtggcc cangtctggc ccttcctggg ccantatatg 540
 ganaacttct ggctgaaact gtggctccng ctgtta 576

<210> 2579

<211> 467

<212> DNA

<213> Homo sapiens

<400> 2579

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agagtccccg ggccaagatg gctgcgcggt gctccacacg ctggttgctg gtggttgtgg 60
ggacccccgcg gctgccggct atatcgggta gagggggccc gccgcccagg gagggcgtgg 120
tgggggcatg gctganccgc aagctgagcg tccccgcctt tgcgtcttcc ctgacctctt 180
gcggcccccg agcgctgctg acattgagac ctggtgtcag ccttacagga acaaaacata 240
accctttcat ttgtactgcc tccttcacac cnagtgcgcc tttggccaaa gaagattatt 300
atcagatatt aggagtgcct caaaatgccg gccagaaaga gatcaagaaa gcctattatc 360
agcttgccaa gaantatcac cctgacacaa ataaggatga tccnaagcc naggganaan 420
ttctcccagc tggcagaaac ctatgaagtt ttgagtgatg aagtgaa 467

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<210> 2580

<211> 593

<212> DNA

<213> Homo sapiens

<400> 2580

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gctgcttggt aacaatgggg aagataatgg ctgcctgagc aacgtctccg agcaggcgct 60
gagctagagg cgggtctcaa ccagctactc attggaggcg ggcttgagag cggcggccag 120
ggaggtgcgg agcagcctcg gcggcggcgg ccgaaccaac cgagtcggat cctgacccta 180
aaacctagta ttttccactt gttcatcaat atggaaaact cagattccaa tgacaaagga 240
agtggatgat agtctgcagc acagcgcaga agtcagatgg accgattgga tcgagaagaa 300
gctttctatc aatttgtaaa taacctgagt gaagaagatt atnggcttat gagagataac 360
aatttgctag gcaccccagg tgaaagtact gaggaagagt tgctgagacg actacagcaa 420

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attaaagaag cccaccaccg caaaactcag atgaaaatag aggaggagac tcttcanatg 480
atgtgtctaa tgggtgactct ataatanact ggcttaactc tgcngacaa actgggaaata 540
caacaagaan tgggcaaaga agaaaccaat cttggagaac antgaatcng act 593

<210> 2581

<211> 892

<212> DNA

<213> Homo sapiens

<400> 2581

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attatgctaa tttcaaatga agattcctgc cttaaaatat tttttaattt aatgggtcagt 180
atattttgta aaaatcatgt taattttatt catanttgac attaatatct tccctaattt 240
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tatgcttttt aaaaattgga ataatgtatt aagggtcaaat aatatcccat aaaatatata 360
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atattcaaca cctttaaatg ttgtaatctt aatatgcgaa gtgtgcctct gcaanatact 480
aacacaaagc tcatgttaag aaaacagttg aggactcgga agtcagttga aaatgcactt 540
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taaaattact ggggactata aattaatatt ttaaaaaatg cctgtttcta cacccatcna 780
anaacggttg tctacccta atctttgggt gnaacaaaa aaaaaaattt tnaatgcctg 840
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<210> 2582

<211> 776

<212> DNA

<213> Homo sapiens

<400> 2582

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agttttgttt acttaccatg gcaatagtgg ccttttagcc actaaaagtg atgaaactgg 60
atggacaacg ttttttgact atgacagtga aggtcgtctg acaaagtta cgtttccaac 120
tggagtggtc acaaacctgc atggggacat ggacaaggct atcacagtgg acattgagtc 180
atctagccga gaagaagatg tcagcatcac ttcaaactg tcctcgatcg attctttcta 240
caccatgggt caagatcagt taagaaacag ctaccagatt ggttatgacg gctccctcag 300
aattatctac gccagtggcc tggactcaca ctaccaaaca gagccgcacg ttctggctgg 360
caccgcta at cgcacggttg ccaaaagaaa catgactttg cctggcgaga acggtcaaaa 420
cttgggtggaa tggagattcc gaaaagagca agcccaaggg aaagtcaatg tctttggccg 480
caagctcagg gttaatggca gaaacctcct ttcagttgac tttgatcgaa caacnaagac 540
agaaaagatc tatgacgacc accgtnaatt tctactgagg atcgcctacg acacgtctgg 600
gcacccgact ctctggctgc caagcancaa gctgatgggc cgtcaatgtc acctattcct 660
ccacaggtcc aattgccagc atccagcgaa ggcaccacta gcnaaaaaan tnaattatna 720
cggacagggg aagatcntgt ctcgggtctt tggctgatgg ttaaacaagg aatttc 776

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<210> 2583

<211> 597

<212> DNA

<213> Homo sapiens

<400> 2583

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agcaagcagg aagaggaggc tttctaaggc ggtcgctccg ggaaatccgg gccctaggat 60
tgtccactca tcccagtatc agcgagatac ggggaagata gagttagcga cagcgtgagc 120
cagagctgga gcacgtttgg tgagagacca gaaagcaatg gangccggag aggggaagga 180
gcgcgttccg aaacaaaggc aagtcctgat attctttgtt ttgctgggca tagctcaggc 240
tagttgccag cctaggcact attcagtggc cgaggaaacg ganagtggct ctttgtggc 300
caatttgta aaagacctgg ggctgganat aggaaaactt gctgtgaggg gggccagggt 360

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cttttccaaa ggaaaaaaan tgcatttgca gttcgatagg canaccgggg atttggtgtt 420
 aaatgaaaaa ttggaccggg angagctttg cggccccaca aaaccctgtt tcctaccttt 480
 ccaggtttta ctaaaaaatc ccttgcantt ttttcaggcg ganctacgga ttagggacnt 540
 aaatgatcat tccccagttt tcctanacaa anaaatactt ttgaaaaatt ccaaaaa 597

<210> 2584

<211> 710

<212> DNA

<213> Homo sapiens

<400> 2584

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 actgaaccaa acccggaac atcttctgtg tcaacaacaa ccagcagtagt caccaccacc 120
 accatcacca ctctctctc tcgaatgcag cagccacaga tctctgtcta cagtgggttca 180
 gaccgacatg ctgtacaggt aattcaacag gcattgcac ggccccccag ctacagctgct 240
 cagtagcttc agcaaagtga tgcagcccaa caacagcact tgatgctgca tactgcagct 300
 ctacagcagc agcatttaag cagctcccag ctacagagcc ttgctgctgt tcaggcaagt 360
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 tcccaaacgt ctgtaagttc cctaaatttt tttttcctg gatttaaaat tttaaagaat 480
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 gtttaaagta acaattgccc agaaatagaa atgataaaat tcaagaattc agaactagtg 600
 ttnaacttat gaaaatctga atcttaaaaa aatcttngg tattatttct ggtatatcca 660
 tttgcactga tcatgttcca aatcttaagn tgggttncan cttnctgtgt 710

<210> 2585

<211> 518

<212> DNA

<213> Homo sapiens

<400> 2585

gagtcgccgc tgggcctgtc cgctggcgtc atggcaccga aaaagaaagg gaagaaaggc 60
 aaagccaaag gcaccccgat tgtcgatggg ctgctccag aggacatgag caaggagcag 120
 ctgtttatit ttaggtgaag ttgagtcctc cctctttctt ccttgccctt cgccggccac 180
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 aactacttcc agctggagcg ggacaagatc cacaccttct gggagatcac acggaggcag 360
 ctggaggana agaagctgag ctgcggaaca aagaccggga gatggaagaa gccgaggaga 420
 ggcaccaggt ggagatcaag gtgtacaanc agaaagtga gacactgcta tatgagcacc 480
 anaacaacct gacanaaatg aangctgang gcactgtt 518

<210> 2586

<211> 670

<212> DNA

<213> Homo sapiens

<400> 2586

agacacggaa gtgctgggag gcgccgggag cccgttcggt tgcgggtgtc tctggccctg 60
 cggtcagccc tgggaacgtc ccggagagct agattcctag aggcccgatt ccgctagccc 120
 ggaacagaca aagccagcgc tcccggccgc tcccgcactt aggatccgat gccggcagcg 180
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 aagaaagaan gtncctgcta aagaaactcc tccagcttca ggctctaact gaaggggaaa 480
 tacaggctgc agctccttcc cacagtcca gtttgcccct gacttatggt gtggccagct 540
 ctgtgggaac tatacaggga gctgggccta tttcanggcc cancactggg gctgaagaac 600
 catttgggaa gaaaactttn aaaggagaaa aaagaaaaag gccnagaaaa caacaaactg 660
 gaaaatcatc. 670

<210> 2587

<211> 752

<212> DNA

<213> Homo sapiens

<400> 2587

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tttcccatg tctaattttg ggatttcagt gaggcctttt ccatctgtcc aggagaacag   60
aagggaataa aagatacttg aaagaaactg aaggaaattt aaacaaagaa acacttgaaa  120
gaaactggaa agaaaaataa tttttttatg tgaacaaatt ttgcaagaag aaaaaagcat  180
aaaagacact aacggcaaat ctatgtttta atggaaaatc gtctaactgg agaagggcgg  240
tatccacccc acattcggat ccaggggtcc tgaggcctcg cattgagctg ggggttcctt  300
ctgagcccca gtgtgtgtgg aatcagtgc cttctgactg ggcctgtagt aaggtgctca  360
tggggtttgt cttctacccc accatcagag gacttttaaa atcataggcg tananagtta  420
gctatctgct gaattactgc cactcttctt ggtgggggct cctanctgtg gctgggggct  480
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tcactaacat tgcttccttt ttgaccanc aggaacacagc aggtctggcc anattctcac  600
ttgcccata atctcgttct tgggatgatt tccctcattg tgatgcttct ggggcacgtt  660
gaacatatnc acctctanaa nctaaccagg ctctcttcta ccantgtng ggcgggcttg  720
ggtctggtaa ccttgtctgc tctgccattc ca                               752

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<210> 2588

<211> 734

<212> DNA

<213> Homo sapiens

<400> 2588

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actccgcct tcatttccca tcgtgctgag gcgggtggca tggcgganaa ggatgacacc   60
ggagtttgac gaagaggtgg tttttgagaa ttctccactt taccaatact tacaggatct  120

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gggacacaca gactttgaaa tatgttcttc tttgtcacca aaaacagaaa aatgcacaac 180
 agagggacga caaaagcctc ctacaagagt cctaccaaaa ggatctctca gtgctatttg 240
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 ggggagtgat tctatttgtg tatctggta taagagcttt gagattatgg aggacagcca 360
 aactacaagt gaccctaata aaatacagcg ttcatttggga agatatggcc acaaacagcc 420
 gagctttttac taacctcgtg agaaaagctt tacgtctcat tcaagaaacc gaagtgattt 480
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 cagcaangct agctacccta tatatgctga aaaaactacc ccctgaactc tganantgac 660
 aatgtaacca actacatctg tngtgggtgcc ttttaaagaa ctggggcttg ggactttatt 720
 gaanaacnga tttc 734

<210> 2589

<211> 529

<212> DNA

<213> Homo sapiens

<400> 2589

gnaagctgcc tccgccatct tggagatggg agacgggcga tggctgtggt ccttctgcta 60
 atgcaaaca caaaacgggc aactagtca ccccgaggg aggccaccat cactgtaact 120
 gttggccaaa gctacaaaag aagcgaggga atccaaccga gcgcagcgac actgagaaca 180
 gcttcccctg ccttctgcgg cggcagaagt gaagtgcctg aggaccggaa ggatggtgca 240
 gtctgtctcc gcctacggct gcaagaaccg ctacgacaag gacaagcccg tttctttcca 300
 caagtttctt cttactcgac ccagtctttg taaagaatgg gaggcagctg tcagaagaaa 360
 aaactttaaa cccaccaagt atagcagtat ttgttcagan cactttactc cagactgctt 420
 taagagagag tgcaacaaca agttactgaa aganaatgct gtgccacaa tatttctttg 480
 tnttgagcca catgacaaga aagaanatct tctggancca canggaaca 529

<210> 2590

<211> 670

<212> DNA

<213> Homo sapiens

<400> 2590

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tatatcaata caccagtggc tgaaattatc atgaaaccaa atgttggaca aggcagcaca 60
agtgtgcaaa cagctatgga aagtgaactc ggagagtcta gtgccacaat caataaaaga 120
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<210> 2591

<211> 720

<212> DNA

<213> Homo sapiens

<400> 2591

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tgccaggaca ttccagaagg tgggaaaggc acctgagtaa tttgactctc ctgcctggac 180
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agaagttgca gtgagccaag gtcgcaccac tgcactccag cccaggcgac attgtgagac 360
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 gtgattttga cgcacacttc tgcccancac ctgagtaatg tgattcttca aaattggggc 600
 cggcccaacna ataggattgt gccnactgc tggaccant gcctaanttg atgttactct 660
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<210> 2592

<211> 551

<212> DNA

<213> Homo sapiens

<400> 2592

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 ctcagcaagt cttgcagaag gaatgtcgtc ccangtttgc caagacatca atggcgctgt 480
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 agtgaagctg a 551

<210> 2593

<211> 716

<212> DNA

<213> Homo sapiens

<400> 2593

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gagctgctgt ttgaattatc tgtgaatgtt gggaagagga atgccagagc tgccggctga 180
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aatgaattat tatttcttca tgtttatgaa tttgaatgaa ntgatgtttc cnaaanaacg 660
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<210> 2594

<211> 642

<212> DNA

<213> Homo sapiens

<400> 2594

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gcggggcctc taccggcccc atggagcgcg cgggcgctac tagccgcggg ggccaagccc 60
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aggacttacg gcagtggggg ctgacagggg ttcacctacg ctcttaccag ctggagggag 180
taaactggct cgcccagcgc ttccattgtc agaatggctg taccctggga gatgagatgg 240
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ctgccttcag caagacctga aacaggaatc acgttttcat gttctactga ctacctatga 480

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natttgcttg aaagatncat catttctaaa atcattccct tggagtgttc ttgttggtga 540
tgaactcaca ggttgaaaaa ccnaagctcc ctgtctgcat aanaacttgt canaattctc 600
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<210> 2595

<211> 539

<212> DNA

<213> Homo sapiens

<400> 2595

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ggtgccaccg gccattgtcc aggcagctgt gtgcaagcca aagaagcatg aggacactgg 180
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tgctgcagca ggccaccagg caggaacccc agggccagga acaccagggc ggtgagaacc 420
acctggcaga aaacaccctc taccggctat gcccacagcc cagcaaggga gaggagctgc 480
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<210> 2596

<211> 656

<212> DNA

<213> Homo sapiens

<400> 2596

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aagggtgtca tctgccgga ctaccgtggc gacgtggaca tgctagaggt ggagcacttc 180

atgcccaccc tgatggagaa ggaggaggag gggatgctgt cgcccacccg 240
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 gctggacgag ctcatggact tcggctaccc ccagaccacc gacagcaaga tcctgcagga 480
 gtncatcact caggaangcc acaagctgga aacagggggc ccgcgccac canccaccgt 540
 caccaacgcg gtgtcctggc ggtccgaaag catcaagtat cggaagaat gaagtgttct 600
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<210> 2597

<211> 580

<212> DNA

<213> Homo sapiens

<400> 2597

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 ctgcggggga cccggaactg atctgacagg atggcatctg atgactttga catagtgtatt 180
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 aaaaaggatt atcctagcaa taccaccagc agcaccagca acagtggcaa tgagaccagt 300
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 cgtcgacatg gtagtgagtc ccgaagtcgg gaccatcgtc ntgaggatcg tgtgcattac 480
 aggantcttc cacttaccac tggggagcca gttgataatc tgagtcctga ngancgtgat 540
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<210> 2598

<211> 711

<212> DNA

<213> Homo sapiens

<400> 2598

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tattcctgac agatgaatac gacncagttc tggcttatga aaacnaaggg aagattgccc 660
angccccTga caggancgat cccctaattg atacccTtan cagcatgaat a 711

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<210> 2599

<211> 808

<212> DNA

<213> Homo sapiens

<400> 2599

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ccagagttga cagacaaaca caagcttgca gatatatgta aaaatctaaa tttccggcac 180
aaaatggctc aatatgccca acgtgcatca gtggcttttc ataccagtt attcttcaaa 240
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gtattaattc caaagtatgg tttagaaggg acagtctttt ttgaagaaaa ggacaaacca 360
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catgtatttg ataaagttaa agtgaaaatc atgttagact catctaact tcaacatcag 480
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ttcaaacatg gaccttaatg gacccnagaa aaagaagatg aagcttgga aaatagctat 600
attcaacaaa aatcttcaaa gactggtttc ttttttaaaa gaaaaaactt gaaagaacac 660
ttctaagcct aagtgtgtga tacagtttgt tacttttaag ttcattttga ataaatttca 720
gacatctgca tttttattga aacagttgan tgtttctgaa cccatcatact actattcttn 780
ctgggggtga acanaatttn tttntgcc 808

<210> 2600

<211> 479

<212> DNA

<213> Homo sapiens

<400> 2600

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tttgatacn aagaaattcc tgtcttggtc acacagataa gttcaaccaa tcatccagtg 180
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tgtgtatctt cccagattgg cttcaactgc agttggtgta gtaaacttca aagtcnanag 420
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<210> 2601

<211> 684

<212> DNA

<213> Homo sapiens

<400> 2601

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 ctgatagaga ctatagtctg agagticttg cccaccagtt ggtctcctgt gggggcaggg 180
 cctacccta gtctatacaa agtaccctgt gctactgcca tgaaactact tcgtgtcctg 240
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 atgtgagca ccgangccct ccgtctgtgg gctgtggctg cctcctatgg ccagggcggt 420
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 gaaggcagcc tctcgccac ccttccttaa tcccttgac acangtttnt gggctccacc 660
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<210> 2602

<211> 655

<212> DNA

<213> Homo sapiens

<400> 2602

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 tggaccgcac tccctacctg ggggatgtcg ctgttgctgt gcaccctggg aaaaaagaga 180
 tgggaacccc actgcagac actcctaccc ggcccgtcac ccggcatggg ggcatgaggg 240
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ctggggccca ngaacccaca ctatgcacag ancccaatgc atanaaccct ggcca 655

<210> 2603

<211> 807

<212> DNA

<213> Homo sapiens

<400> 2603

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ccagacctac ggaggagct ggaaattcct gacgttcatt gatctggtta tccaggctgt	180
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cccaggancc anaatcatct tctttgggtc tacaaccatc ttaatgaact tcctgtacct	660
gctggggaaa aattctgaac aactatatct nggatacaca naaaaaagcc ccctcttggg	720
cgagatatna aaattaantt tatgttcta ggaaccatcc tattantccc ccaaaaacaa	780
atTTTTTgtt gccaanntaa ttttcn	807

<210> 2604

<211> 680

<212> DNA

<213> Homo sapiens

<400> 2604

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acagaagaga acactaagct ccgatatctc cctgttctct tattgaaaac ttngccgccg 660
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<210> 2605

<211> 621

<212> DNA

<213> Homo sapiens

<400> 2605

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ctgcctccga gcagccgcct tctatgtgcg tgggctcttc tccttcttcc aggagccta 180
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ccacattgag gcctgcagcc tccccgaaca caacctcatc acntngacag acngtccacc 540
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621

<210> 2606

<211> 725

<212> DNA

<213> Homo sapiens

<400> 2606

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agaacaatgc tgaggcgggt gaggtgagga gcagcccctc gcggcagccc cgacagagtg  180
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cccct

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725

<210> 2607

<211> 557

<212> DNA

<213> Homo sapiens

<400> 2607

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ngggacatgt nagtgct 557

<210> 2608

<211> 549

<212> DNA

<213> Homo sapiens

<400> 2608

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<210> 2609

<211> 503

<212> DNA

<213> Homo sapiens

<400> 2609

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cagcaccagg agcagctgga ggacagcaag gagctgcagc ctgtgggtcag ccatcaggag 180
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cagaanacac ccggctgtct gga 503
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<210> 2610

<211> 666

<212> DNA

<213> Homo sapiens

<400> 2610

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tcggcatgct caggaacggg ggcctcctct tcagaatgac cctgctcacc tctggagggg 180
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tgggctgcat cccctcatt aagtccatca gcgactggag ggtaattgca cttgcagcac 420
tctggttctg cctaattggc ctgatatgcc aagccctgtg ctctgaanac gccacaanaa 480
aaagatcctt actctggggc tgggatttct cgttatccca tttctccccg cgantaacct 540
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gttcttccga atgggcttcc tgggtcccga acgtgtcctc tacctcccca ncgttgggta 600
ctgtgtnctg ctgacttttg gattcngaac cctgaacaaa cattcccaan aaaaaaaaaa 660
cccntt 666

<210> 2611

<211> 708

<212> DNA

<213> Homo sapiens

<400> 2611

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ccacctccgc ggccctgggc gccgtggtgt cgacgggccc cgagcctatg acgggccagg 180
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tctcanctgc tgaagctgga ccatgaccct ctgcattaca aaccattat nggtaacaaa 600
aactcgcctt atgttacant atgatgctgt tgtttaactcc ccacnccga cnatattaaa 660
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<210> 2612

<211> 724

<212> DNA

<213> Homo sapiens

<400> 2612

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 tctagaagaa agacagcaat ttatgaaagc atttaggcag ccagcatcag atgcacttaa 120
 aaatggagtt aaaaagtctt ctgataagca gaaagacctt aatgaaaaat gtctatatga 180
 agtaggaaga gatgataatt ctaaaaaaat catggaaaat tctggtatcc aaatggtttc 240
 aaaaaatggc aatttacagt tacacactga taaaggaagt tttctgaagg agaaagataa 300
 aaagctaaag aagaagaata agaaaacatt agatactggg gctattccag gcaaaaacag 360
 agagggaac actcaaaaga aagaaacaac ctttttctta aaagagaaac aatatcaaaa 420
 tagaatgagt ttaagacaaa ggaaaacaga gtttttcaaa agcagcactt tatttaacaa 480
 tgaaagtctt gtttatgaag atatagcaaa tgatgacctt ctaaaggttt cctctctgtg 540
 ttacaataat aaattgtcaa gaaaaaccag cataccagtt aaagatatta agcttacaca 600
 gtctaaagct gaatctgaag ccagcttgct naatgtttcc acgccaagt cactanaaga 660
 tctggaagaa ttagcagccn ccctactaca gaaaccctta naagttttga ttctgaacnat 720
 gttc 724

<210> 2613

<211> 701

<212> DNA

<213> Homo sapiens

<400> 2613

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 tccattttac agatgagaaa atagaccag agagggttaag tcacacggtg gtttgtggca 180
 aagctagaaa cataactgtg gtctcctctt catagttctt tccactacac tattacattt 240
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 aaggccgang tgggcagatc acttgaaccc agganttcaa gacaagcctc ggcaacatga 480
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 gaatganccc anatcacgcc acttgcactc ctgcctaggc nacanaacta gaccctgtct 660
 ccaaattaaa aaanaaagga ttaaggaaaa ttgattaat a 701

<210> 2614

<211> 576

<212> DNA

<213> Homo sapiens

<400> 2614

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 gattctccat gggacgagtt ggctctggcc ttctcccgca cgtccatgtt tccctttttt 180
 gacatcgcg c actatctagt gtcagtgatg gcggtgaaac gtcagccggg agcagctgca 240
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 ggaattttat cctgtctact gcttgcagag cctccattga agtttcttgc aaaccacact 360
 aacatattac tggcatcttc aatctggtat attacatttt ttgcccgcga tgacctantt 420
 tcccagggct attcatactt acctgttcaa ctactggctt cggaatgaa ggaagtgacc 480
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<210> 2615

<211> 686

<212> DNA

<213> Homo sapiens

<400> 2615

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cagagtatgg aagcacctga ctacgaagtg ctatccgtgc gagaacagct attccacgag 180
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 ggcgtaacaa tgtctaccta ctccattgtg tggaccaaag gagatggta atgtgaaagc 360
 cctttgtgaa cctgaagtga gcaactgctg gatgaatgtc attacgggca caggctctgt 420
 gtcattctct ctcctagtgc ttccacagcc aggaccagag acctccctga tgactgggga 480
 acctgtggat gatgaaaatg ccaccgtcaa caagattgcg ctcgantgt gcacctttac 540
 cctggcaatt gccctgggtg ctgtcctgct cctgcccttc tccatcatca ncaatgaagt 600
 gctgctctcc ctgcctcgga aactactaca tccantgggt caacgggntc ccncatccca 660
 tggccctgga aaccttgntt tttcct 686

<210> 2616

<211> 722

<212> DNA

<213> Homo sapiens

<400> 2616

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 caacaatttg tagaagatga agatgatgat acattctcct atactgttag aatagcagct 120
 caagacttgt tgctggctgt ggccacagat ttccagaatg aaagtgcagc agccctggct 180
 gctgcagcca ctgcacattt acaagaagct gagcaaacca aaaacagtgg cactgagcac 240
 tgggtggaaga tccatgaggc atgcatgctt gccctaggct cagtgaaggc catcatcact 300
 gacagtgtga aaaatggcag gattcatttt gacatgcatg ggcttcctgac caatgtcatc 360
 cttgcagacc tcaacctctc agtgtctcct ttctctttgg gccgggcact ttgggctgcc 420
 agtcggttca ctgttgctat gtcccctgaa ctgatccagc agttcctaca ggcaacagtt 480
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 ggttattgtt gaccaactga aatctcagan agttaccac gtgctccagc ccttcctccc 600
 cagcatcctt gatgggctta attcccctan cagcccagtt cacncagang tcctcaacct 660
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gg

722

<210> 2617

<211> 624

<212> DNA

<213> Homo sapiens

<400> 2617

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gatgcggctg tgattgctga attgtctggg caggtttgga gtctctggca agctcccctg   60
actgtgcatc cctctggaga cgaagaggag ggggaggcct gtcctctctg ggatccattg  120
gtcacatccc cctgaggatt cccgaatgcc tacctccagt gtcgtcaaca tggagttctg  180
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cgttcccctc cagcctgggtt gctgggctcc tcggctggcg gcggggacgt gttcatccan  540
atgcccgcgt ccaanggaag aaagaagggg ccggggcgaa ggggggncct accaccacng  600
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<210> 2618

<211> 743

<212> DNA

<213> Homo sapiens

<400> 2618

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ttattctagt gtcaaatccc acattttaaa taaatacaga aatgattttg atgattctcc  120
atttctccca caagaacaaa aagcacaaat aagggaacaa ccgtgtgaat gtaatgagca  180

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tggcaaagcc tttagagtgt cttcaagcct tgctaaccat caagtaatcc aactgcaga 240
 taacccttac aaatgtaatg aatgtgacaa ggtcttcagt aacagticaa accttgtaga 300
 acatcaaaga attcactactg gagagaagcc ttacaagtgt catgaatgtg gcaagctctt 360
 caatcgaatt tcactccttg cagcagatca gagaatacat actggagaga aaccttacia 420
 atgtcatgag tgtggcaaag tcttcactca aaattctcac cttgcaaate atcacagaat 480
 ccacactgga gagaaacctt acaaatgtaa tgagtgtggc aaggtcttca acagaaatgc 540
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 tgtggcaaag cattttcagg gggttcangg cttactgctc atcttggtat tcacactgga 660
 nanaacttta caaatgttat aaatgcggga aggtcttcca tccaaatgcc nccttaccag 720
 actccaagaa accatnctgg ana 743

<210> 2619

<211> 517

<212> DNA

<213> Homo sapiens

<400> 2619

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 ttcccganac tttctggcac cgcaccgcgc gctgcaggcg cgcttcgatg acggccagggt 180
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 gtgcgcctag tgccanctgt gcgggatccg cacatgctga ccttcctgca ncaactgcgg 480
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<210> 2620

<211> 553

<212> DNA

<213> Homo sapiens

<400> 2620

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gccccctctg ctgatgcgc tctccctca gcaccatgga cctgctggac tggggcagcc   180
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tatggcccca cagacccct gtggtccagg gggaanaaga caagcccact antgtccaca   420
gantgcttgg cgggacagaa acccacgcgg aagccttaag acaccacaan gaaaaggggt   480
ctgggggcct tcccaagtc atctgtcttg tgcatcangt caccctaaac ttcanaagcc   540
tnaaacggca nca
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<210> 2621

<211> 805

<212> DNA

<213> Homo sapiens

<400> 2621

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gtgggacgac atattgagaa gttaatatat atattaaatg tgtttgagtt ntggctgact   120
ttctaaaagg taatcattta ataaaacctt gaatangagt tggatataat aaggaaggga   180
aaanattgac aagtcancct aaaagcacag acacttnatg taggcaaagc aatgtctgtg   240
gttatccact cacaacttaa actttgaaat ccctgctttt tgactgcctc ccaggtttct   300
ctgctatttc gcaaatgagc cctcactatc tcaggtcacc ctctcacctc cttttccttg   360
gcctggagct gcaaagtctt cttttgcagc tggctcttga natcccagtc tttctccttc   420
cctgtaccct caggctccac ttcgttaggg aaggactttg gactccacac gggcaaagcc   480

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tgatctaaaa aagcagccag attcttgggtg acagtgaggc ccacacctct gangaagggc 540
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 ggctanactg atggcattct ctgacataaa ggttaacttc cagtanggcc ctgctaagct 660
 tggacagaaa agctggaatc tgaaactccc tggaaagggc aagaattggg gatcttttct 720
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<210> 2622

<211> 618

<212> DNA

<213> Homo sapiens

<400> 2622

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 aaggtcacca agatattagt tgccgctttg acattctttc ttgggaaaga tgaagatgaa 540
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<210> 2623

<211> 639

<212> DNA

<213> Homo sapiens

<400> 2623

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tctccagcgg ggacctgctc cgggacaaca tgctgcgggg cacagaaatt ggctgttag 180
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tgaagaccaa acaaaccagt cctggaaata ttaccanaaa aaanggtgc tggaacatt 600
ctccggaaca naaccaaca anatttgnc ctattttt 639
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<210> 2624

<211> 472

<212> DNA

<213> Homo sapiens

<400> 2624

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aaaaaatcat ntgataaaaa gatcacatgt acatgaagac aatggaaagt tatttccttc 120
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acagaaactt ggaaaaccga atgaatgcaa atttncctgag tggcttaata tagaaaattc 240
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tnatgaacca tcttcattat ggtcttcaca cctaaagaan tgtagggttn aagccagaaa 360
ctgctcccct catcngcaa caaaatatca tggatcgatg ttactttgan aactctctat 420
ccacagaatg tntgattcgg tcagccncca aatctgatgg gtgtcncatg cc 472
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<210> 2625

<211> 642

<212> DNA

<213> Homo sapiens

<400> 2625

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gcctgagggt gagatgaacg cgctggcctc cctaaccgtc cggacctgtg atcgcttctg  180
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cagttccctt cctgaacctg gggacttttg gatgatgatg atggcatgtt tggtagcgca  600
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<210> 2626

<211> 738

<212> DNA

<213> Homo sapiens

<400> 2626

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agctgggatt ttctgacttg taatgagcag ggggattgct ttttcacttt gtgacactct  300

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<210> 2627

<211> 825

<212> DNA

<213> Homo sapiens

<400> 2627

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 ccggctatgg cgaacaggaa ctggatgcca actctgccct tatggaattg gacaaaggcc 180
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 caatgctccg tccagctttt acaacagctt ggtcccatcc tatccgtccc accaaaatgg 780
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<210> 2628

<211> 807

<212> DNA

<213> Homo sapiens

<400> 2628

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tgccaagtgc cccgcgtccc accctcctct aggtgctcca agggaccacc ggggtgcctg  120
atacgagagc gggagtgtag agactcggag gccgaggttg anaacaaaaa catgcacctg  180
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tgttaaaatg gccctgaaaa aagacaggga aaagcatggg acaccggtac attgaagggtg  660
ttcaagtcca cagaacccaa atggattggg tgttgaaaca cagtgggtcc ccaacaattg  720
ccnaaangcg ccaacgaatg gcttccttgc gggcttccaa ggantcccat tttggnatnc  780
cccaaaagga aaaaaaattg ttcaatt                                     807

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<210> 2629

<211> 814

<212> DNA

<213> Homo sapiens

<400> 2629

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agtanagtgt ccggcttcgg tgccgagtgc caccgcgagt gggccgagac gcggagggag   60

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gcgcggccgg agctcgggtc gccgacgctg gccaggaccg cgcttcttcc cggcggcagg 120
 cggcgcgggtc cccgtgactc tcagaagccg cccgatgtag agccgcttct ttgtcccata 180
 cccctgacca ttctgtcgtg gcacggagcc gggtatctgc gggtacagcg atgaacaggg 240
 cagacgtggc caggccacac taccatcacc ctttctcca accctgaaaa acagttcctg 300
 agacctgaac tattgacat catttaatc ggaccaactg cagctgtaac aagcttctct 360
 ttggggtcac aatgaccact gcaggcaggg gaaatttagg cctcatcccc aggagcactg 420
 ctttccanaa gcaagagggg cgctgactg tgaagcagga gccagcaaac canacctggg 480
 ggaggggcag cagtctccag aagaactatc ctctgtctg cgaaatcttc cggctacact 540
 tcaggcaatt gtgttaccac ganatgtctg ggccgcanga acattgatcc ggcttcggga 600
 nctctgccgc tgggtgggtc atgccagaag ttgcacacca angancaa at cctggaactg 660
 ctgggtgctt gaacagttcc tgaacatcct ccctgggggg aactcccga acttgggttc 720
 aacttgcac nccccttgaa aaattgttaa agaaagctt ttggcttttt gttggaaaga 780
 atttcccaaa aaaaccctc nanttgggan tnaa 814

<210> 2630

<211> 660

<212> DNA

<213> Homo sapiens

<400> 2630

gttgttgctt gggcgcttct ccgtgcgtg taggtgaagg gggcttcctg accgaggaag 60
 acaatggtgt aaaattggtt gatccttgg gtgaaatgtt ggaccatcc tgggaggaac 120
 atgccacctg tttagcanat gctgaggaac aagatatgcn gagagtgtt attgacatca 180
 gcgagaaaga agctgtgaat ctgcaacaag atgcctttgt agttattggt agagatacca 240
 ggcccagcag tgagaaactt tcacaatctg taatagatgg tgtgactgtt ctaggaggtc 300
 aattccatga ttatggcttg ttaacaacac cccagctgca ctacatggtg tattgtcnaa 360
 acccgggtgg ccgatatgga naggctacta tagaangtta ctaccanaaa ctctctaagg 420
 cttttgtgga actcaccaaa caagcttctn gcagtggaga tgaatacaca tcaactaacg 480
 ttgactgtgc aaatggcata tgggccctga agctantggg aaatggaaca ctacttctca 540

cagggcctgt cagttcacct gtttaatgat gggccaagg gcanactcan tcatttatgt 600
ggagctgact ttgtgaaaag tcatcanaaa cctccacnng gaatggaaat ttaatccaat 660

<210> 2631

<211> 573

<212> DNA

<213> Homo sapiens

<400> 2631

agcgcagtat ggcgggcggg gcccgaggagg tgctcacact gcagttggga cattttgccg 60
gtttcgtggg cgcgactgg tggaaccagc aggatgctgc gctgggccga gcgaccgatt 120
ccaaggagcc cccgggagag ctgtgccccg acgtcctgta tcgtacgggc cggacgctgc 180
acggccagga gacctacacg ccgcgactca tcctcatgga tctgaagggt agtttgagct 240
ccctaaaaga ggaagggtgga ctctacaggg acaaacagtt ggatgctgca atagcatggc 300
aggggaagct caccacacac aaagaggaac tctatcccaa gaacccttat ctccaagact 360
ttctgagtgc agagggagtg ctgaatantg atgggtgtctg gaggggtcaaa tccattccca 420
atggcaaagg ttctcacca ctccccaccg ctacaactcc aaaaccactt atccctacag 480
angccancat caggggtctgg tcagacttcc tcagantcca tctccatccc cggagcatct 540
gtatgattca naagtacaac cacnatgggg gaa 573

<210> 2632

<211> 806

<212> DNA

<213> Homo sapiens

<400> 2632

tccaagatg gcgtccatca tggaagggcc gctgagcaaa tggactaacg tgatgaaggg 60
ctggcagtag cgttggttcg tgctggacta caatgcagga ctgctctcct actacacgtc 120
caaggacaaa atgatgagag gctctcgagc aggatgtgtt agactcagag gagctgtgat 180

tggatatagac gatgaggacg acagcacctt cacaataact gttgatcaga aaaccttcca 240
 tttccaggcc cgtgatgctg atgagcgaga gaagtggatc catgccttag aagaaacaat 300
 tcttcgacat actctccagc ttcaagggtt ggattcagga tttgttccta ntgtccaaga 360
 ttttgataag aaacttacag aagctgatgc ttacctaca atcttgattg aacaattaaa 420
 gctttttgat gacaagcttc aaaactgcaa agaagatgaa cagagaaaga aaattgaaac 480
 tctcnaagag acaacnaata gcatggtana atcaattaaa cactggcatt gtgttgctgc 540
 agattgccaa aagtactatt aatcccgttn atgcnatata tcaacctatc ctttgggaac 600
 ctgtgatcag cacaatgcct tcccagactg tgttacctcc agaacctgtt cagttgtgtt 660
 agtcanaaca gcgtccatct tcctacccat ttgganctgt ttttgggcta ccttggggaa 720
 ctctccaga ctctacccc caaatTTTTT cagggcgntg ggccctttcc cccacccgaa 780
 tttaccantc ctccncttcc ctacca 806

<210> 2633

<211> 570

<212> DNA

<213> Homo sapiens

<400> 2633

agaccggaag cggaggagag cgcgggggat gtgtttggca tggggacgca ctgttacagt 60
 tgcgctcctg gttggctttg tgtttccgcg gtgttggttag agtctcggtg tttctacctc 120
 ttagcaccct ttctgccac cctttgtcct gtggaagccc ggagacatca gcggctgcaa 180
 ttttgctact cgctgctcgg catggaacgg tcaggtaccg cagttcagcg ctcttgcccc 240
 cgcaggctct cgggcacccc cgtgccccgt gctgtacatt cagttatcct ccgacttccc 300
 ggggtcgaag gtattacctg ctgggtttta gaatctattg ctttacatct gagaaaagaa 360
 aaatcccaga aagataagat gacttgccca agatcatagc gtgcctggaa agacagtgct 420
 ccgattacaa gctggctcgt gtgcctcatt cgtcttgtca tcaactcctg tcagtttatc 480
 caagctccaa aagcgaantt gttttaactt ttgcttccca aganttattt gatantctca 540
 tttctgttcc cctnctttta tccttncgtt 570

<210> 2634

<211> 459

<212> DNA

<213> Homo sapiens

<400> 2634

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gataactaaa ttgaaagtgc tggcagtcca tntggggatt gattagaatc taggggagat   60
gtagttgtca gtgttcattc tgtatgtaac tcctgtcttt ggtttcagat ctggtttagt  120
tctgttgatc cttggggaac tttctcattt gtttttattt ttgccttgga tctatgaata  180
cctgaatgta ttgtctaaaa tggaaaaatc ttaatgtagc cattctatta ctatcactga  240
ccctaggcct gaaaaaagtc acacctaggg ttaaaaaatt tttatttnat tttattttat  300
ttacttattt agagacagtt tccctctttt gcccaggctg gantgcattg gcatgatccc  360
acttcactgt aacctctgcc tcccaagctc aantgattct ataaccncaa gcctcctgag  420
tagctaggga ttacaggccc cncaccaatn cccaacnaa                               459

```

<210> 2635

<211> 780

<212> DNA

<213> Homo sapiens

<400> 2635

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agaaaaaatg aatgtcataa taaaatataa aacttacgta aagaaaataa agtcattgtc   60
caccttaata gctaaggctc acaagggtaa cttatgcagc atttattttt ttgaaagtc  120
aaaattgaat ttatttcttt cacatggctg gtttgctgca atatgaagtt tcagaatggg  180
ctgaagtaag ttgattgagg gatttgagtt gaatgacatt ttcaagttca tttaaatatg  240
ataaaaattc attggtggta aataacatct gtctttcctg gaaaaaaaaa agttgtgtat  300
tttcatgatt cagttaaaac aaaaaatgag cctgtgaatc ccaggccttt ttagtcctcc  360
ataacatttg aacagtttga cttgtcagca aagaaatata cttatcaaatt tttaaaccaa  420
tgggagcctg aaagtgttac agtgtactgc ttctttgaca aaattctgtt taacaactac  480

```

cctaacataa tttataaatc aattaagata aaaccatttt tttctganta tttangaatt 540
 tgtgtcctca aaatactgtg acatgaaaga taggaaagaa attacctggt tgccagacat 600
 gcncgattat ctttcctcat ttcagctgga ttttccaaag tccgtanatt ggataaagca 660
 gcatctcatt cactgaagtc acaagatagg taggaacttc tttaatgtga atttgcata 720
 tttaacnatt ccttnnaaaa acanaaaccc cttgatggat tataatntta aatgttttac 780

<210> 2636

<211> 849

<212> DNA

<213> Homo sapiens

<400> 2636

agaacgcaca ggagttccat ttttacaggt aataccctgc tttcagcgtg atggtttatt 60
 ttgtctacat gaaaatgggt gtataacttt acgtgttcga agatcttata ataacatttn 120
 taccacttca aatgaggaac cagatccaga tccagttcag gagcttacct atgatttacg 180
 aagccagtgt gatgcaatca ggggtgacaaa aaccgtccgt cccttcagta tgggtgtgctg 240
 tcctgtcaat gagaatgcag ccgccctcgt agtgagtgat ggcagggtca tgatatggga 300
 actcaagtct gcagtttgta atcgaaattc acggaacagt agttctggtg tgtcaccttt 360
 atattcacca gtgtctttct gtggaattcc tgtaggagtg ctacagaata aactcccaga 420
 ctttccctta gataacatga ttgggcaaag tgcaattgct ggggaagaac atcccagagg 480
 ttcaattctg cgggaagtgc acctcaagtt cctgctgacg ggactgcttt caggactgcc 540
 cgcaccacag tttgctattc gtatgtgtcc accgttganc acaaaaaaca tcaagatgta 600
 tcagccactg ctggctgttg gtacaagtta atggctcctgt cctgggtgta catctacca 660
 gtggtctgct acacaaagan ttaagcatcc actcatgttn aantcaaggg gtattgaatg 720
 gacaaatttg actaagtttc cttccttttg gctacctcaa caccaaaca tatggggaat 780
 tangtgaana aattgaactt cnacctgggt tgaatcttcc caaccanggt taggaacant 840
 ggcttttcc 849

<210> 2637

<211> 759

<212> DNA

<213> Homo sapiens

<400> 2637

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atagcattgt aactcagaat ggtgaagtat gctggaaaac aatcacagac tgtgtgagct 60
acacagagtc agagcagggt ctggattact ggggaagcgt gaggctgctg ggccctgtgt 120
gtgaggctgt ccattcacat ttcttatctc tgaccaaggg gcaatttgaa attcgatatg 180
caccgtggtt ccagtggaac agttttccag agttatttcc tgaaatattt gatgccttgg 240
aaagtctaca atctcccgtt atttctctta gcttaatgaa actgacatcg tgtctagaac 300
gagccttggg tgatgtatgt ttactgattg ggaaggaatg cccctttctt ttaagagatc 360
tgctttcatc tgaggagctt gctcaagtct tcagtcagtc tgtgatgaat gtgctaaaag 420
tcttcgttgg ctctccgtgt ggtctcaacc tgcgtaacgt cttatggcat gggtttgcgt 480
cacctgaaga aattcctcca aaatactgtt caatgatgat actgttgacn gcaggattgg 540
gtcagttact gaananttac cttcaaaaca ctaaacttac attggcacat cgctctttca 600
tatctcttac aaacctnaa gatttgattg tttttcctga tgttacttat gaagtgcctt 660
ccagtattan aaaaantgat gatnaaatct gcttttatat ttaaaaaatc ctgtttccat 720
attggggaaa ttgcncgtgt ccaanttcaa attcccaca 759

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<210> 2638

<211> 571

<212> DNA

<213> Homo sapiens

<400> 2638

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gaaaagaggg gctgaagtcg cccttgaata accacagcag tggcaccac aaaggtgcag 60
ttcccacagc ctcatactgt cttgtaggtg ccacctctta aggccattac catagcaatt 120
aatactgaac atgagctttg gagcagacaa aactcaaac cgaacagggg gatggaggaa 180
aggagcttca atggcaagat ctcttggaact cctgtcctgg cccctctctc ccctgcccc 240

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cccctgctct cctcctgctc cccctctcag ancttgccct gaccctgctc ctctcccagg 300
 tgtattccga acttaagtac caccagana tganattctt ccaactgggtc agcaagtggga 360
 ngaagctgca tcntgaccag gantatgagg tcacctggta catatcctgg agcccctgca 420
 caaagtgtnc aagggatatg gccacgttcc tggccgaaga ccgaaggta ccctgaccat 480
 ctttgttgcc cgcctctact acttctggga cccanattac caggaagcgc ttcncancct 540
 gtgtcanaaa aaaaacggnc cgcgtgcccc c 571

<210> 2639

<211> 631

<212> DNA

<213> Homo sapiens

<400> 2639

agtcccggga gcccggcctc gtgcgccg cg ctttgagcct ctaggccatg aaactgcctc 60
 accaagcact atgcaattga gtgccacca gaagacaccc ctccagtcaa cccacagacc 120
 ccagaaagag taccagagg agcctgagca cactccaccc tatctgttct ctgaaattca 180
 atcaaagtag tcaactctact tctctggaag cagaaagagg ctggaagttt ttctccagca 240
 gcagactgct cgacaaacac tgcgccaaga gctcctcagc agaagctcct cgcacagat 300
 cctctgtgct gggaatcctc cctcttgag cacactctgt gctcctcttc cagttacggt 360
 gcatgtgaan caatggtatg ggaaaattgt ttgcagaagg atgaaaaggc ttatttgcca 420
 aactcttaag gtattttgtt aataaaatca ttttcataat ggaaaagact cagaaaattc 480
 ccctcgcagc acatataaca tccaacaagg ggctgaacca anaaaaata ctgcagctgc 540
 tgctaattggc aacactgaag caagcacctg gcctgtgcca ngcactgtcc tgtgcantct 600
 gtgtttgcac tcattttatc ctccnganc n 631

<210> 2640

<211> 754

<212> DNA

<213> Homo sapiens

<400> 2640

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agcaacatgg ccgccgcctg agaggagagc cgggccgccg ccgtctctgc agcccgcggg 60
taactgggcc gttgccgccg tccgcgctcg gccccgcggg aaaaatcgag ctgaaggact 120
gcgcggctgg ctctcctcta gtatggccaa tgaagaggat gacccagttg tacaggagat 180
cgatgtgtac ttggccaana ntctggcgga aaagctgtat ctatttcagt accctgtgcg 240
tccagcctcg atgacctacg atgacattcc gcacctctca gccaaagatca agcccaagca 300
gcagaaggta gagcttgaga tggccatcga caccctgaac cccaactatt gccgcagcaa 360
aggggagcag attgcgctga acgtggacgg ggcctgcgcc gacganacca gcacgtattc 420
ctcgaagctg atggacaagc agaccttctg ctcttcccag accaccagta acacatcccg 480
ttatgccgct gcaactctaca ggcaagggtga gctccacctg acacctttac atggcatcct 540
gcagctgcgg gccagcttct cctacctgga tnaggctgac gccaaagcacc gggagaggga 600
agcggccaac gaagcagggg gactcttcac aggatgaagg cggaaaacga tgtttancag 660
atcacggtgn cggttctccc ggccggantc agaacagggc ccgcagcgcc cgtgttgcca 720
gtcctatgaa ttccnggcan aaaaaaaccc ccca 754

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<210> 2641

<211> 744

<212> DNA

<213> Homo sapiens

<400> 2641

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cactggcaga tggagctgcg cacctgcggc ctcccctaca tcaacctga gttcctcaag 60
gcccacacca tgtaccaagt ggggctgatg gagacggacc agcacatcga gttcttctgg 120
ggggccctgg agatgttcac ccaggaggag ctgtgcaagt tcatcaagtt tgcctgcaac 180
caggagcgca tcccgttcac ctgccccctgc aaagatgggg gtcccgacac tgcccatgtg 240
ccccgtacc ccatgaagat cgcacccccca gatggcacag caggttcccc agactctcgc 300
tacatccgcg tggagacctg catgttcatg atcaagcttc ccagttactc ctctctggaa 360
atcatgctgg agaaacttcg ttgtgccatt cactaccgtg aagaccccct cagtggctga 420

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tgggagggag ccccaacaatt aggcctgtcac tgaggcaccc actctgctgg cttgggaagc 480
 caccactgcg gcccgccct ccagggccct gcgtgaggag ttggcaacat tttgcttttc 540
 caaactttcg tccacattcc agggcctcct ggaaaattaa ccttttgtct ttgtacgttt 600
 cgtgatgggt tggttctttt gctgcctggt tgtggctctat ttgtangata gtttantttc 660
 ccanaacagt ttgtgtctaa ttttgatctt tcttgggaca ttgtccctcc attggccacc 720
 anaattccta atngccatta aggg 744

<210> 2642

<211> 865

<212> DNA

<213> Homo sapiens

<400> 2642

aagaaggaaa atggacaatc atttctgcac atatagggtt taataaaaca tgtataataa 60
 aatatctcat attttaaat tccaccttat tggtagcttt catgacaaag ggctagggtg 120
 ctgatggcca tacaattaag gtttttgggt agttagttag cagaactaac tggctcctac 180
 ctgggtgggt tttcttttgt ttggttgggt ggttgggttg tttttccca natggctcag 240
 gaggaaggta aatagcagtc attgtatgtg tgacagagtt tgagatagaa tgagcatatt 300
 gaatctcaca tcctattctt attactgtca ggcagcgttg acctagcagt ataaaactat 360
 ctgaagcaat gtagtcactc agttctcata aagtttattt caagtactgt aacaattcat 420
 gtttggatta gaaaagtcac tagaaatttg acttccatat agtaatctat acttttttct 480
 ctcatttcct tcattttttg agccgtaagt gtaaggcatt ttgctggtat tattacaatg 540
 gttatgagga ntttctttgc ttgcccaagg tcacatanct agcaagttaa agtaaattca 600
 aatccaggcc tgctanatac caaattatta tttagaata cttttcacta ctcctaaatt 660
 atgacacaga tacntttgtc ttacacattt cactttattg tccagtttat taatatgttt 720
 tattttccaa aagttatttt ttggcaatt tcctttttta ttaattcccg tactttttta 780
 aaattttact tccatttaat ncaccgttct tcccttttaa ttcctttttt aaaattaaat 840
 ttttttgccc tttttggttt atttn 865

<210> 2643

<211> 624

<212> DNA

<213> Homo sapiens

<400> 2643

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agcgccttcg ctctttggct ccctgagtta gtccggttgt ttgcgatcgc cgcggccggg   60
gctgcgaacc gaagggtcgc ctccgcgccg cctgggtctc tacctcatcc gtaggtgtgg   120
ccctgatggt gtggcaggct ctggactcct aaagctctgg agcgaattta agattttatt   180
catgtgcatg gcatagaaga tgaattcttc cacttccacc atgagtgaag agcctgacgc   240
tctatcggtg gttaaccagt tacgggatct agcagcagat ccgttaaaca gaagagccat   300
cgtccaggat cagggatgtc tgccctggcct tattttattt atggaccatc ccaaccctcc   360
agtcgtccac tccgctttgc ttgctcttcg atacttggca naatgccgtg cnaacagaga   420
aaagatgaaa ggagaactgg gtatgatgtt gagcttaca aatgttatac agaaaactac   480
nactccaggg agaaacaaaa cttctggcct ctgaaatcta tgacattctt cagtcctccn   540
atatggcaga tggatgatgt tttaatggag atgaatncac ctccaangga aagctcaatt   600
ttttctgggg aactacnaac naac                                           624

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<210> 2644

<211> 708

<212> DNA

<213> Homo sapiens

<400> 2644

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gactatacag gacatgttca tcctggaact tacacaaata ccttagaacg tctagtgaag   60
gaaatggaag acacacaaag gctagatgaa ctgcagaagc aactacaaga agacataagg   120
caaggccgag gcattaaatc cccaatcaga attggagaag aagacagtac agatgatgag   180
gatggcctct tagaagagca caaggaattt ctaaagaaat tttcagttac aattgatgct   240
attcctgatc atcatccagg tgaagaaata ttttaatttc tcaattctgg aaaaattttc   300

```


aatcagtata ccttggattt aagagactct ggttttattg gacaaagtgc tgtagaaaaa 360
 cttattctta aatcgggaaa aacagatcag atttttttga caacacaagg tttccttacg 420
 tctgcttate actatgtcca gtgtcctgtc cctgtgttaa agtggctgtt tcggatgatg 480
 tcagttcata cagactgtat tgtgtcagtg cagattttta gtacattgat ggaaataacn 540
 attanaaatg ataccttcag tgactcacca gtttggccat ggatcccatc attgtctgat 600
 gtacagctgt gtttttccat atggggattg attttagatc tttgtttccc tggagaatct 660
 tcnccagac tttnatgaaa aactatctan tttctgaaac ccngacac 708

<210> 2645

<211> 644

<212> DNA

<213> Homo sapiens

<400> 2645

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 gctgcggggc gcggagtcgg gagtgcaggc ctgagtgttc cttccagcat gtcggagggg 120
 gagtcccaga cagtacttag cagtggctca gacccaaagg tagaatcctc atcttcagct 180
 cctggcctga catcagtgtc acctcctgtg acctccacaa cctcagctgc ttcccagag 240
 gaagaagaag aaagtgaaga tgagtctgag attttgaag agtcgccctg tgggcgctgg 300
 cagaagaggc gagaagaggt gaatcaacgg aatgtncag gtattgacag tgcatacctg 360
 gccatggata cagaggaagg tgtagagggt atgtggaatg angtacagtt ctctgaacgc 420
 aagaactaca agctgcagga ggaaaangtt cgtgctgtgt ttgataatct gattcaattg 480
 ggagcatctt aacattgtta agtttcacaa atattgggct gacattaaag aaaaacaang 540
 ccagggtcat ttttatcaca gaatacatgt catctgggga atctgaagca atttctgaag 600
 aanaccanna agaacnccag acgatgaatg aaaagcatgg aanc 644

<210> 2646

<211> 752

<212> DNA

<213> Homo sapiens

<400> 2646

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tttcataaat catttgctcc tgtcttttgc ttttaattgtc ctatttgcta taaatacttt 60
tttatactct acttttttat tcaatttaat atgatcaagt atgttcgtct tttttgtatg 120
ttgacctttc ggtgatattt ttgttttttt taatttgggg tgtgtgtgtg tgtggtggtg 180
gtggtggttg ttatatanta ctgatgtggt attacttggt ctgatacta tagctctata 240
gctttgtgat tactanttct tgacatgtta ggggtggcatt tactgcttgt ctctgttca 300
agtaactttt ctttctagtt aaaatgagaa tgaaattttc cttaaaatta ataaacttac 360
ctttttatat tgagattaat cattcatttt tttttganat ggggtctcgc tatgctgacc 420
aggctgttct tgaactcctg gtctccagtg atcctcctat ttcagcctcc caaagggcta 480
gaattacagg tgtgagccac tgcaactggc tatattaaga ttaatcttta ttctctattt 540
acagcaagta tttgccact tgtgttctgt tnaacaaaga aatcaantgt ttttcctttg 600
taacgtanca caattaattt ctttgtcatt ttaatgccnt ctttgaata aatttttttt 660
atcattaagg tggnaataat tatccccant aattttnatg gttgtttatt aatngaaaac 720
aaactttcct acccaaactt tttggggcat tn 752

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<210> 2647

<211> 828

<212> DNA

<213> Homo sapiens

<400> 2647

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cctcctaaag tgttggatc acaggcgtga gccactgtgc ccggcgtaa caatcttctg 360

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ccccagggtc ggccacagtt ggacaggagc accctgcctc ccctgtagca ttcgtccccg 420
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 cattttccc tctccaccc accatgtaca ccccatcagc aagtcccatc cgatataccc 540
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 tcattctcca cgttacancc caaggggnat cttaatatct atttattaat ttttaatttaa 720
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<210> 2648

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2648

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 aatgcagtat aacctgcgac tgagggtcca gatggatcatg aaaatgcggg aatatctctg 180
 taatctgcat gggtttgtgg atatagaaac cccacattg ttttaagagga cccagggggg 240
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 gtccctcaaca gtttaagcaa cttctgatgg ttggcggttt agacagatat tttcaggttg 360
 cccgatgtta tcgagatgaa ggttcaagac cagacagaca gcctgagttt actcagattg 420
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 ttaacccctt gggaactgtt gaaaagccat tttgtttccc tgaaaggaac caaaatactt 720
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<210> 2649

<211> 546

<212> DNA

<213> Homo sapiens

<400> 2649

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gagaatatca acttgagtat tttatccgtt gctttcttta attgggtcat ttcagagggt 180
gggtagatth tgtaagaca gttgaaatat ttaggtaggt agaggggtga gtgcagttga 240
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ccagcagtaa aagtcgggag aaggacctag caccaggaca cgtgatctgt ccggcgtaag 360
cgagtgtga gtcaaaggcc tgcaattcag gccctgctc tggggcacgg tcagtttcag 420
ccaggcccaa ctctctttcc caggtccatg gcgtggatgg caccanaat ccagcanggg 480
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gaaata 546

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<210> 2650

<211> 783

<212> DNA

<213> Homo sapiens

<400> 2650

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gccctggant gaaggaggag ccgtcacctg gagctccgaa aaaagcagaa gaaggcgctt 180
tttatttagc cagtgtgacc ccgccagggc cttctcggtt ggggtgagcac tctctctgac 240
caggccatga aaagaaaaat ctgtgcgatg cctccccaca tgtcacggga ctctgacttg 300

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cctttgtcgt cagagtttgc agaactttgg gggacctgag aggggagtc cccctggacg 360
 ggccacggct gtctgtggct taagggttt tggaaggcg gaganaggga aacggcgtcc 420
 tagtggcctg cttcagggcc acccacgggc cctccccaa cctctctctg atccaacttg 480
 tttttccagc ctaattggaa acttgtggat gctgtgacct caanaaaatt ggcattttat 540
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 ggggaaactt gtttttaang ggtgccactg tttttgttac atgttgctcc tagctcttan 660
 cattcatggg tactgttggt aaccgtccaa tgggttccact tttgtctgct agatagaacc 720
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<210> 2651

<211> 718

<212> DNA

<213> Homo sapiens

<400> 2651

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 atgagccatt gcacctggcc ttcttttttg agatggcctc aggttggctc tgcctggaga 240
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 agaagatcaa ggctcgtttg aaggctgagt ttgaggcact tgagtcagag gaaaggcacc 420
 tgaaggaata caagcaggag atggaccttc tgctacagga gaagatggcc catgtggagg 480
 aactccgact gatccacgct gacatcaatg tgatggaaaa cactatcaaa caatctgaga 540
 atgacctaaa caagctgcta naatctacaa aggaagctgc atgatgagta taagccactg 600
 aaagaacatg tggatgccct gcgcatgact ctgggcctgc anaagctccc tgacttgtgt 660
 gaanaaaaag aanaactttc ctttggatta ctttgnaaaa gccanaaagc agaatggc 718

<210> 2652

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2652

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cctcgtgcac acggatgctg cacaggcctt ggggaagcag cgcgtggatg tggaggacct  180
gggcgtggac ttccttaciaa tcgtggggca caagttttat ggtcccagga ttggcgact  240
ttatatacga ggacttggtg aatttaccct tctctaccct atgctatttg gaggtggaca  300
agaacggaat ttcaggccag ggacagagaa caccccaatg attgctggcc ttgggaaggc  360
cgcgaggctg gtgaccana actgcgaggc ttatgaagcc cacatgaggg acgtccgcga  420
ctacctgga gagaggctgg aagctgaatt cggtcagaag agaatccatc tgaatagcca  480
gtttccaggc acccagcggc ttccaatac ctgtaacttt tccatccggg gaccccggt  540
tcaagccacg tgggtgcttc gcagtgccga atgctgatgg ccantgtggg ggccgcgtgc  600
cactcggaac acggggacca nccgtcccca gtgctgctga actacggtgt cccttcnact  660
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<210> 2653

<211> 645

<212> DNA

<213> Homo sapiens

<400> 2653

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gaaattatcg gagggaggta gtanaagata tcaacaaatt attgaaatat ctggatttgg   60
aagaggaagc agacacaact aaagcatttg acctgagaca gaatcattcc attttaaaaa  120
tagaaaaggt cctcaagaga atgagagaaa taaaaaatga acttctccaa gcacaaaacc  180
cttctgaatt gtacctgagc tccaaaacag aattgcaggg tttaattgga cagttggatg  240

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aggtaagtct tgaaaaaac ccctgcatcc gggaagccag ganaaganca gtgatcgagg 300
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 cttgtgagga gcacccatcc cataaagccg tctggaacgt ccttggaac ttgtctgaga 420
 tccagggana anttctttca tttgatggga aatcgaaccg attagaacta cntccggctg 480
 gaagagctgc tcaccaaagc agctgctagc cctggatgct gttgatccgc aggganaana 540
 aaaatgttag gntgccanga aaacaagctg tgaagcttgc gcagaaatat tctcagctat 600
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<210> 2654

<211> 705

<212> DNA

<213> Homo sapiens

<400> 2654

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 cattcaggct atttttaggg gaaagaaagc tagaagacat ttaaaaatga tgcatatagc 180
 cgcaactctc attcagagga gatttagaac tctaattgatg agaagaagat tcctctctct 240
 caagaaaact gctattttga ttcagagaaa atatcgggca catctttgta caaagcatca 300
 cttacagttc cttcaggtagc aaaatgcagt tattaataatc cagtcacat acagaagatg 360
 gatgataagg aaaaggatgc gagagatgca cagggtctgt actttcatcc agtctacttt 420
 cagaatgcac agattacata tgagatatca ggctttgaaa caggcctccg ttgtgatcca 480
 acagcaatac caagcaaata gaagctgcaa aactgcagag gcagcattnt ctcagacaaa 540
 gacactctgc tgtgatccct caggctgcat tcaggggttt gaaaactaga agacatttga 600
 agaatatgca ttcctctgca acccttattc agantaggtt tagatcatta ctgggtgagg 660
 ganaanaten tttccctcna aaaaaagcta ctattttttt gtttc 705

<210> 2655

<211> 771

<212> DNA

<213> Homo sapiens

<400> 2655

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tattaacccc tgatgacttc actgtaaaaa caaatatttc tgaagtaaat gctgctactc 120
ttcttttggg aatagagaat caacataaaa taagtgttcc tagagcacct acaaaagagg 180
aaatgtctct cagagcttat actgctcggt gtaggttaaa cagactacgt cgtgcagcat 240
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aagctaggcg gttaattgtt cgaaaagata gacacctatg gaaagatgtg ggagaacgtc 360
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caacttatgg agaactcata tctttggaag ataacagtga tgtcacaggg ttggctatgt 480
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ccttggtctc ttctgttnaa gatgcccaaa ttccangnt agtaaaaaaa atccctttaa 720
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<210> 2656

<211> 650

<212> DNA

<213> Homo sapiens

<400> 2656

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acctcggccg ccttccctct cgcccacctc tacccggcag cgggggcagt cagagcggag 180
ccaagatgcg aatgggccct ggaagaaagc gggacttttc ccctgttcct tggagtcagt 240
atthtgagtc catggaagat gtagaagtag agaatgaaac tggcaaggat acttttcgag 300

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tctacaagag tggttcagag ggtccagtcc tgctccttct gcatggagga ngtcattctg 360
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 ctttggatct gcgaaatcat ggtgaaacaa aggtcaagaa tcctgaagat ctgtctgcan 480
 aaacaatggc aaaagacgtt ggcaatgtng ttgaaccatg tttggggacc ttcctcctcc 540
 aattatgctg attggacntt agcatggggg tgtgctattg cantccacac aagcatcatc 600
 ccaacctggt taccnancct ctttgggtct gttcatgaat tgatnttggt 650

<210> 2657

<211> 683

<212> DNA

<213> Homo sapiens

<400> 2657

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 aacaggagcg catgaaaagt tccctactga aggaacagat gctaaggaaa caggccgagt 120
 tagaatcagc acagtgccga ctccaactgc aggtcctcac tgataagtgc actaggcttc 180
 aaaggcgtgt tcaggacttg caaaaactta cgtcacatca aagtcagaat ttacagcaac 240
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 ctncntctat gctggactan ccc 683

<210> 2658

<211> 514

<212> DNA

<213> Homo sapiens

<400> 2658

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aagcccatcc agaggttccc acagttcata ctccgtcttc aggacatgct gaagaacacc 60
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gctgagaagc tgaacgagca gaagcggctg gctgaccagg tggctgagat ccagcagctg 180
accaagagcg tcagtaccg cagcagcctc aacaagctgt tgacctcagg ccagcggcag 240
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aagggccagc tggagatcag cagcctgggtg cccctggggc ccaagtatgt ggtgaantgg 420
aacacggcgc tgccccangt gcangtgggtg gaagtggggc agacggtggc acctatgaca 480
aggacaatgt gctcatccan cactcangcg ccaa 514

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<210> 2659

<211> 489

<212> DNA

<213> Homo sapiens

<400> 2659

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cgttcttgcg agccggcctg caggaggcga ggctccccctg gcctcccgc ca ccagcggcgc 180
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ctccntant tctggggcgt gttcaccacc tacaaccaca nagctgtcat ggctgccatc 360
tctacttcca tccctgtaat ttacagccc canttican ccatgaaatg aaccacagt 420
cttctacaac nantccattg ccttcttita taaccgaagt ggaaagcatc ttgccacaa 480
aatggnaac 489

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<210> 2660

<211> 703

<212> DNA

<213> Homo sapiens

<400> 2660

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cactgccaca gtgtcatccc acagtttcct tccctggaca tttgataaag ggaaaatcat   180
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taacattgat ttactcgtag taggantttc atactgttga actctctaaa ggccatttgt   300
tccagggcct anctgggctt gtgaaggaca acagantcat ttcctaagga ccccaaaaga   360
cagcatgaag gaaaaaataa taataaactg ctgttcacag tgccttgagt gtaccaccgt   420
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caagtgttat ccagcactca agttctggct caanggcaa catctccgtg ggggacctca   540
nccatcccag ggcattgtga ccccttcctc taantccccg ggnacactcc ctgattggtg   600
ccctctcatt ccacnaacat atgccattgt ggcttacttg tcatttcttt angtcttgcc   660
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<210> 2661

<211> 743

<212> DNA

<213> Homo sapiens

<400> 2661

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naaatggaaa attagaagat aatccttcct ctggcagtcc cccaaggact actttgttgg   60
ggaccatatt ttcacctgtc ttcaactttt tttcaccagc aaataaaaaat ggaacgtcag   120
gatcagattc tccaggacag gctgtggaag ctgaagaaat agtaaaacaa cttgatatgg   180
aacaggtgga tgagatcact accagtacta ctacatcaac taatggagca gcttactcaa   240

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atcaagcagt tcaagtgaga ccatcactaa acaatggttt agaagaagca gaagaaacag 300
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 atcaggttta tgttgagatt aaagaccatt tttcaggga ttcctgggaa cgaatgtctc 660
 agatgtttga aaatcattcc tttttactgc ttctaagaa gggtttttgc caaaacnant 720
 tactgaaacn tncctanaac cct 743

<210> 2662

<211> 739

<212> DNA

<213> Homo sapiens

<400> 2662

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 gaaaagggtg cagatgagaa ggattcaggg aagacattag ataaaaagcc aagtaaagaa 180
 atgagctcag attctgaata tgactctgat gatgatcgga ctaaagaaga aagggttat 240
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 caaattgggg ccaccaatgt tcctcttgaa gctattaatg aacagactaa gatgattgaa 480
 aattttgata gaganaatgt tcggattcca ggaatgctaa ttattgatac tcctgggcct 540
 gaatctttn gttatctgag aaattnaaga aactctcttt gtgacattgc cattttantt 600
 tgttgatatt atgcatgggt tgggancccc cgacaattga atctntccac cttctccaat 660
 cctaaaaaaa ttttccctcc ttgtttgncc cncattaaa aattgattag gttttntga 720
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<210> 2663

<211> 753

<212> DNA

<213> Homo sapiens

<400> 2663

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aataacctgg agccggcggc gtaggttggc tctttagggc ttcaccccga agctccacct   60
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ggctgctgcg ggtgccctgg atccagtcgg ctgcaccagg cgagcgagac cttccctgg   180
tggaggctca gattccggc agggatgcac cggccttgtgt gtggcgcgag gcagggaagc   240
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gttgcggcgt cgcagacgct agtgtgagcc cccatggcag atacgacccc gagcggcccc   360
caagggggcg gcgctgtgca attcatgatg accaataaac tggacacggc aatgtggctt   420
tctcgcttgt tcacagttta ctgctctgct ctgtttgttc tgcctcttct tgggttgcac   480
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gaagacagct gccactacct gttgtattca ctcatctttg taaattccta tccagttaca   660
atgaattatc tcccantct tgttattctc tttgcttcat gctgccacat atacnaaaaa   720
agtccttgaa gcaagggggg caaaataatt ttt                                     753

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<210> 2664

<211> 611

<212> DNA

<213> Homo sapiens

<400> 2664

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tccatggact cttaccgaag ggttatcccc atctgtgctc tatatgtgat ttgccagttc   60
attctaataa ggagtggagt caacatatca atggagcaag tcacagtcgt cgatgccagc   120

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tttttcttga aatctaccca gaatggaatc ctgacaatga tacaggacac acaatgggtg 180
atccattcat gttgcagcag tctacaaatc cagcaccagg aattctggga cctccacctc 240
cctcatttca tcttggggga ccagcagttg gaccaagagg aaatctgggt gctggaaatg 300
gaaacctgca aggacctana cacatgcaga aaggcagagt ggaaactagc agagttgttc 360
acatcatgga ttttcaacga gggaaaaact tgagatacca gctattacag ctggtagaac 420
catttggagt catttcaaat catctgattc taaataaaat taatgaggca tttattgaaa 480
tggcaaccac agaggatgct caggccgcag tggattatta cacaaccaca ccagcgtag 540
tatttggcaa gccagtgaga nttcatttat cccacaagtt ttanaanaata aanaaacctg 600
aangaaagcc c 611

<210> 2665

<211> 672

<212> DNA

<213> Homo sapiens

<400> 2665

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gggagggagg anagaagcga agcgtttccg cggttggcta ctcagtgtct tggctcgaag 120
ttgcctcatt gcggctggcg ttccaatac agacgcacgc tttctttttt aatactccct 180
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<210> 2666

<211> 693

<212> DNA

<213> Homo sapiens

<400> 2666

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<210> 2667

<211> 533

<212> DNA

<213> Homo sapiens

<400> 2667

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<210> 2668

<211> 820

<212> DNA

<213> Homo sapiens

<400> 2668

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<210> 2669

<211> 507

<212> DNA

<213> Homo sapiens

<400> 2669

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<210> 2670

<211> 584

<212> DNA

<213> Homo sapiens

<400> 2670

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584

<210> 2671

<211> 560

<212> DNA

<213> Homo sapiens

<400> 2671

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<210> 2672

<211> 720

<212> DNA

<213> Homo sapiens

<400> 2672

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